10

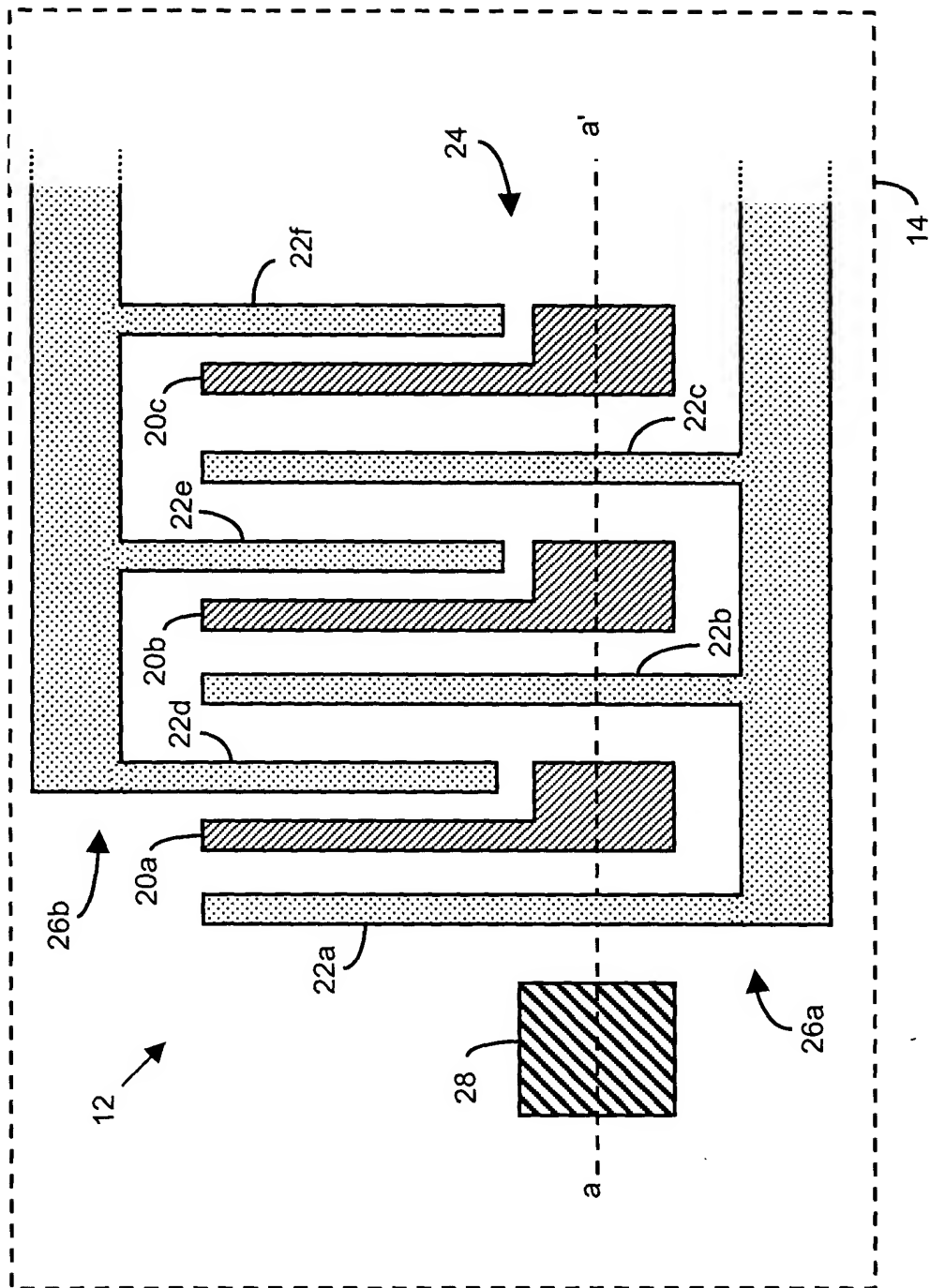| Data Processing Electronics 16 |
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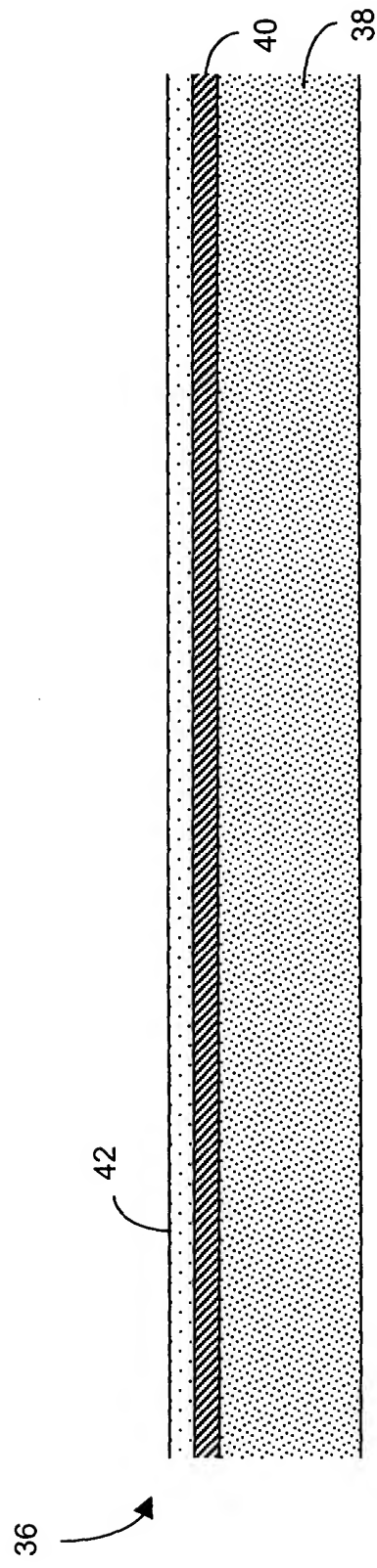Micromachined Mechanical
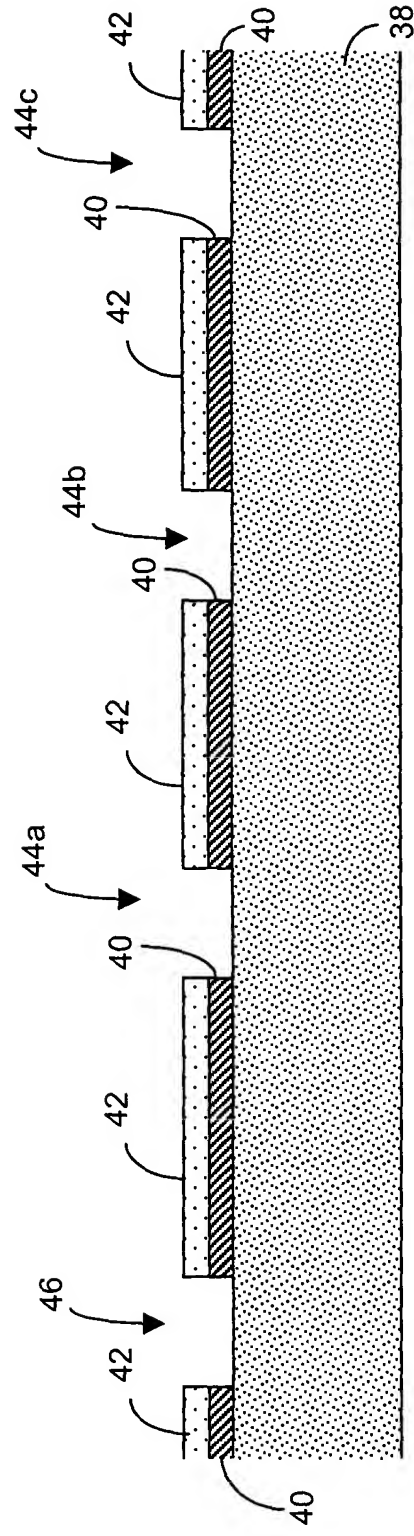Structure 12

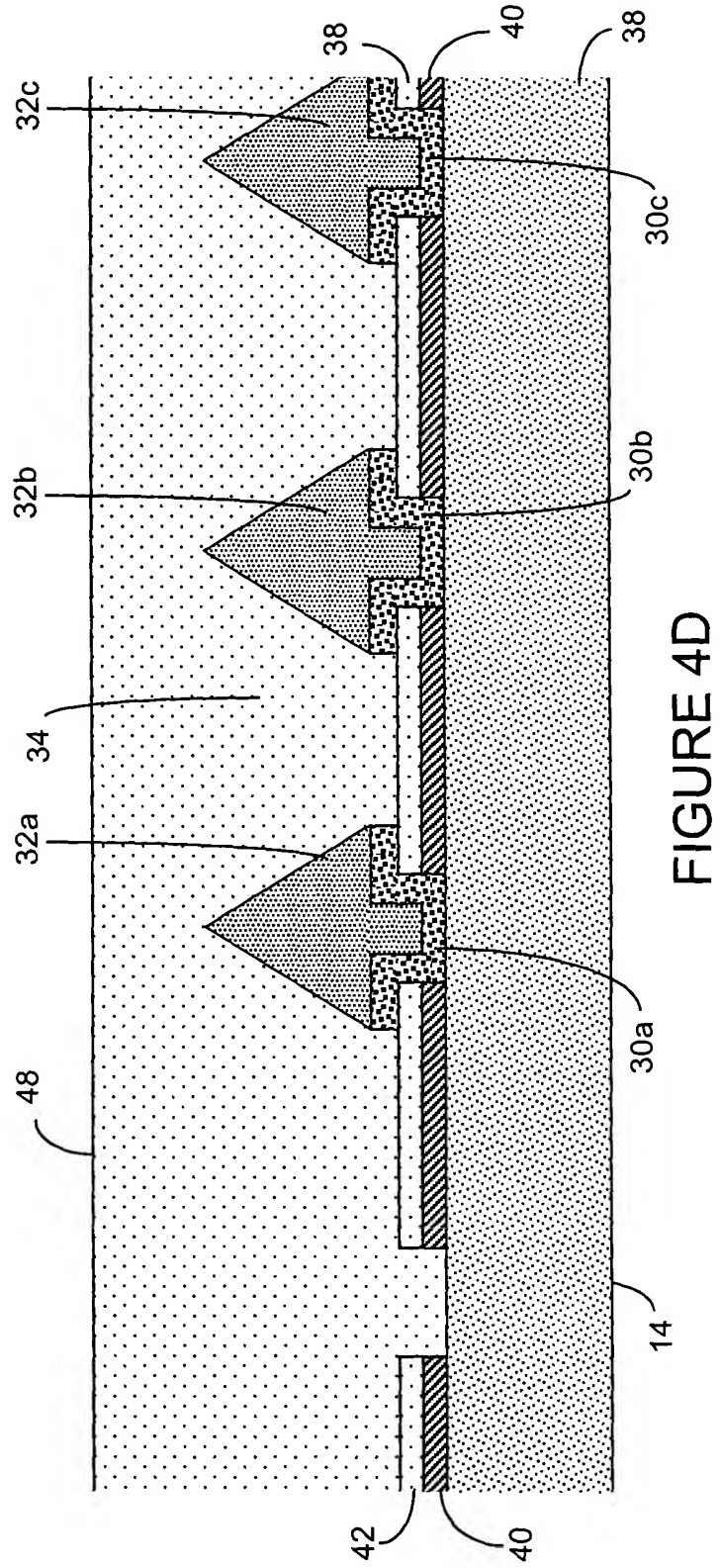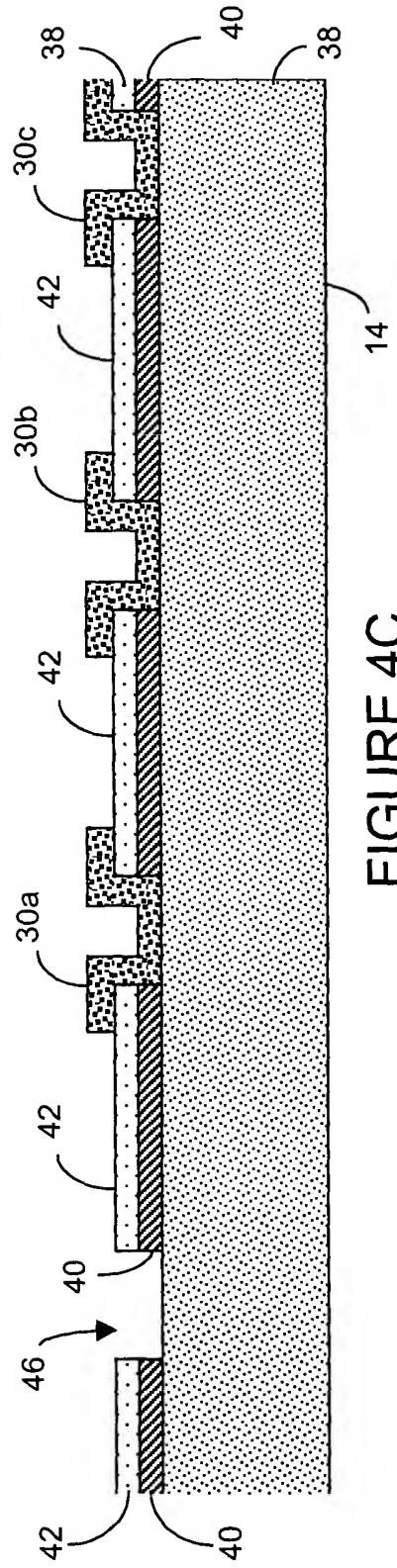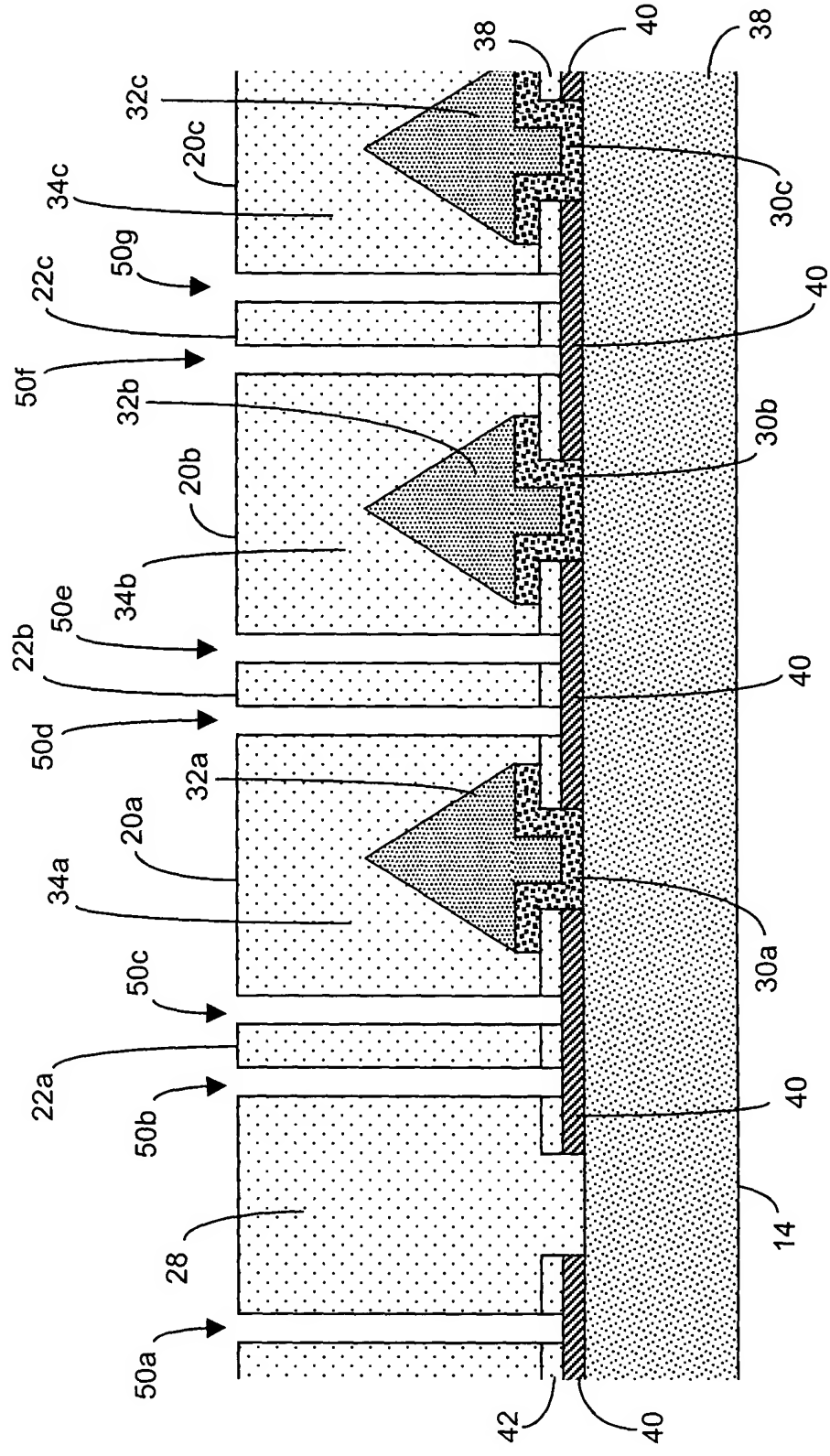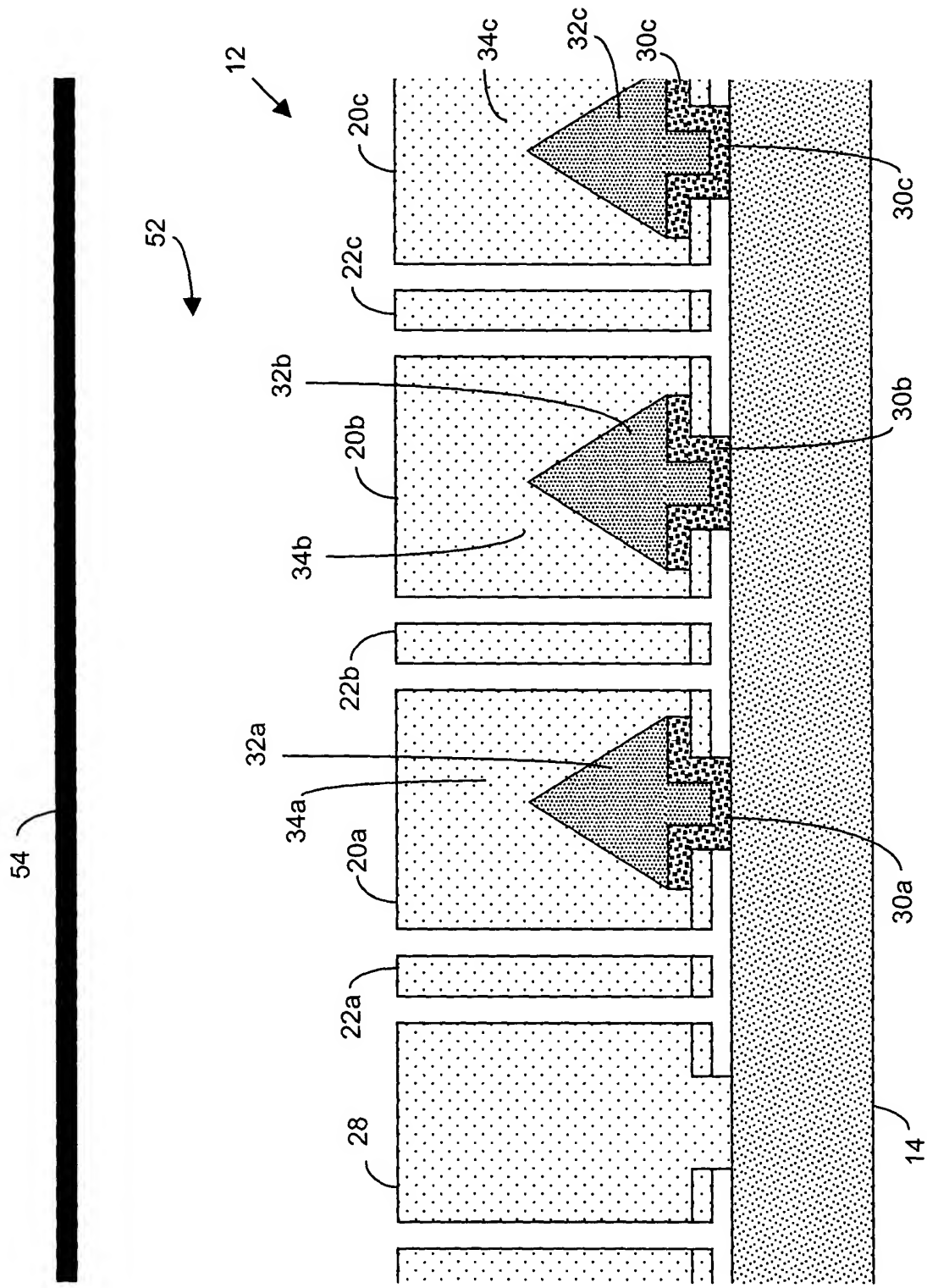| Interface Circuitry 18 |
| --- |

14

FIGURE 1

FIGURE 2

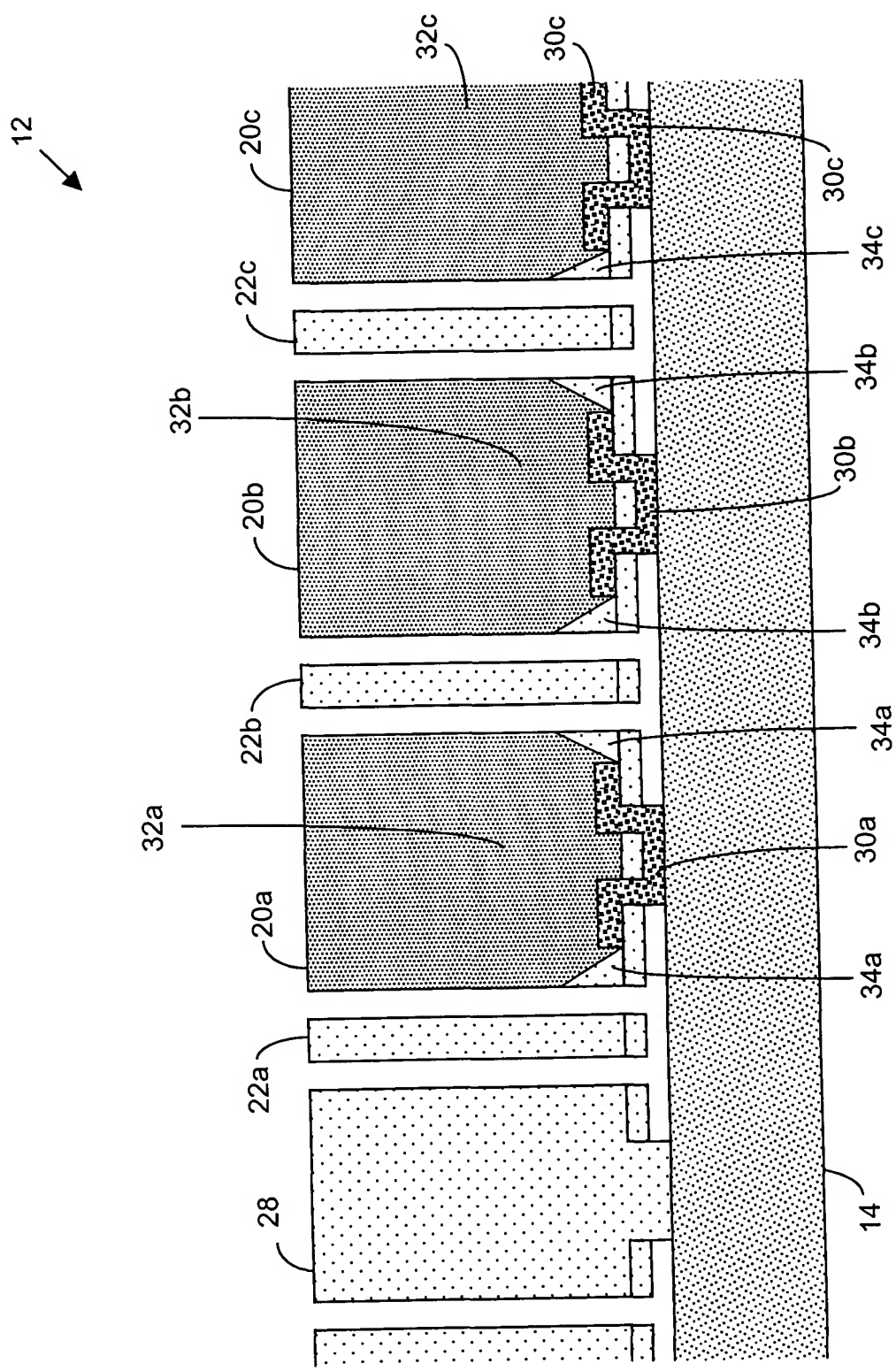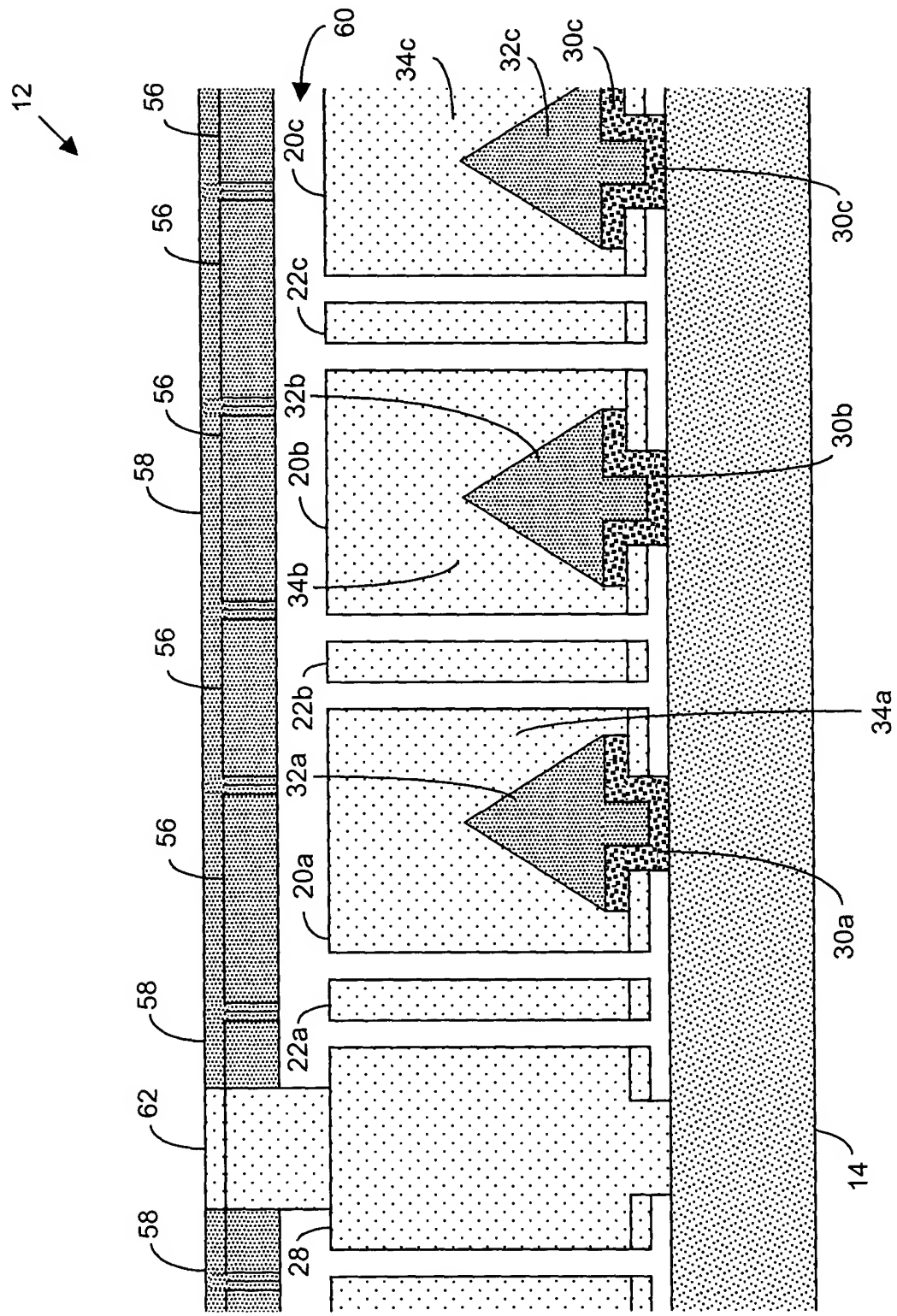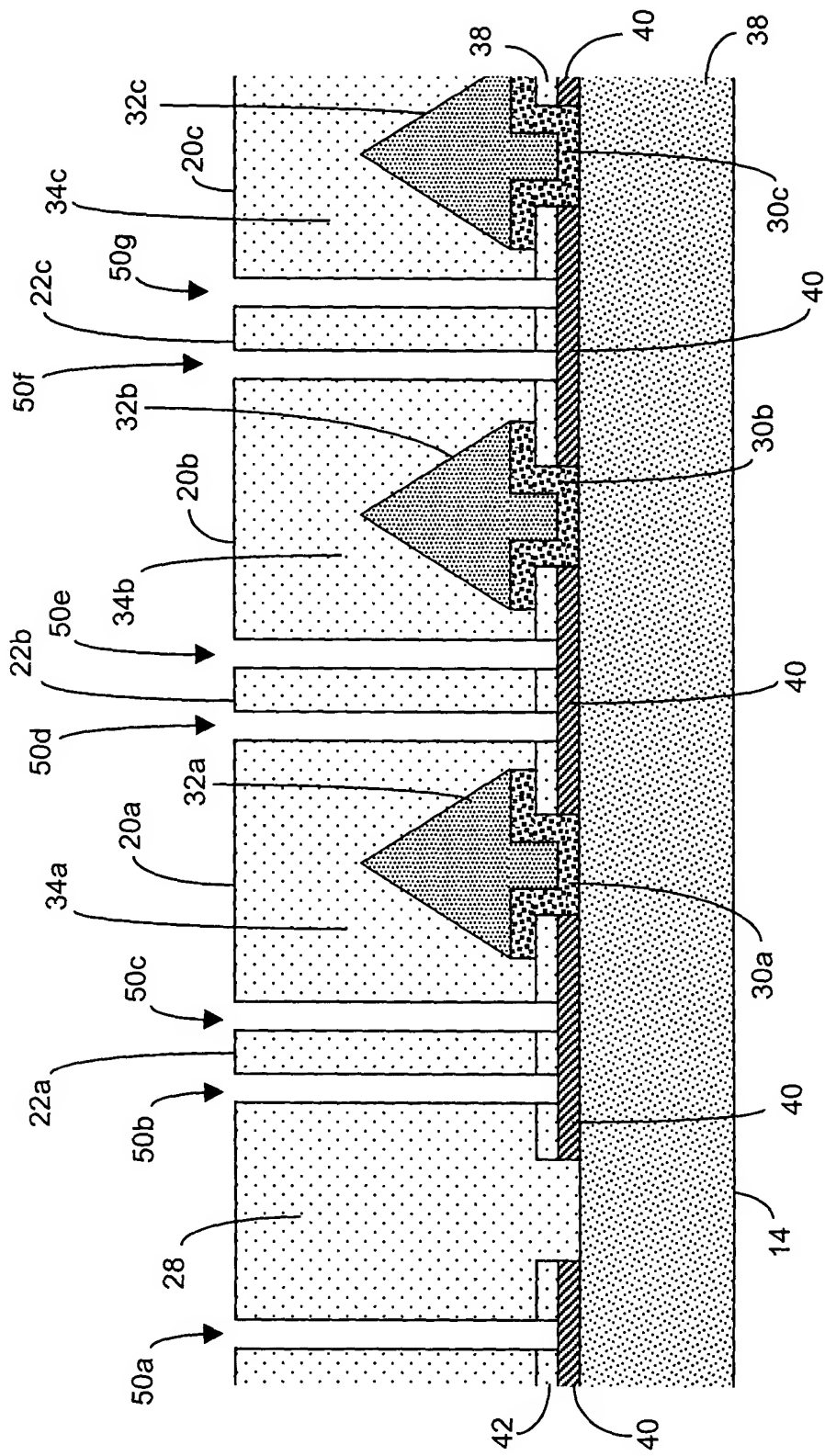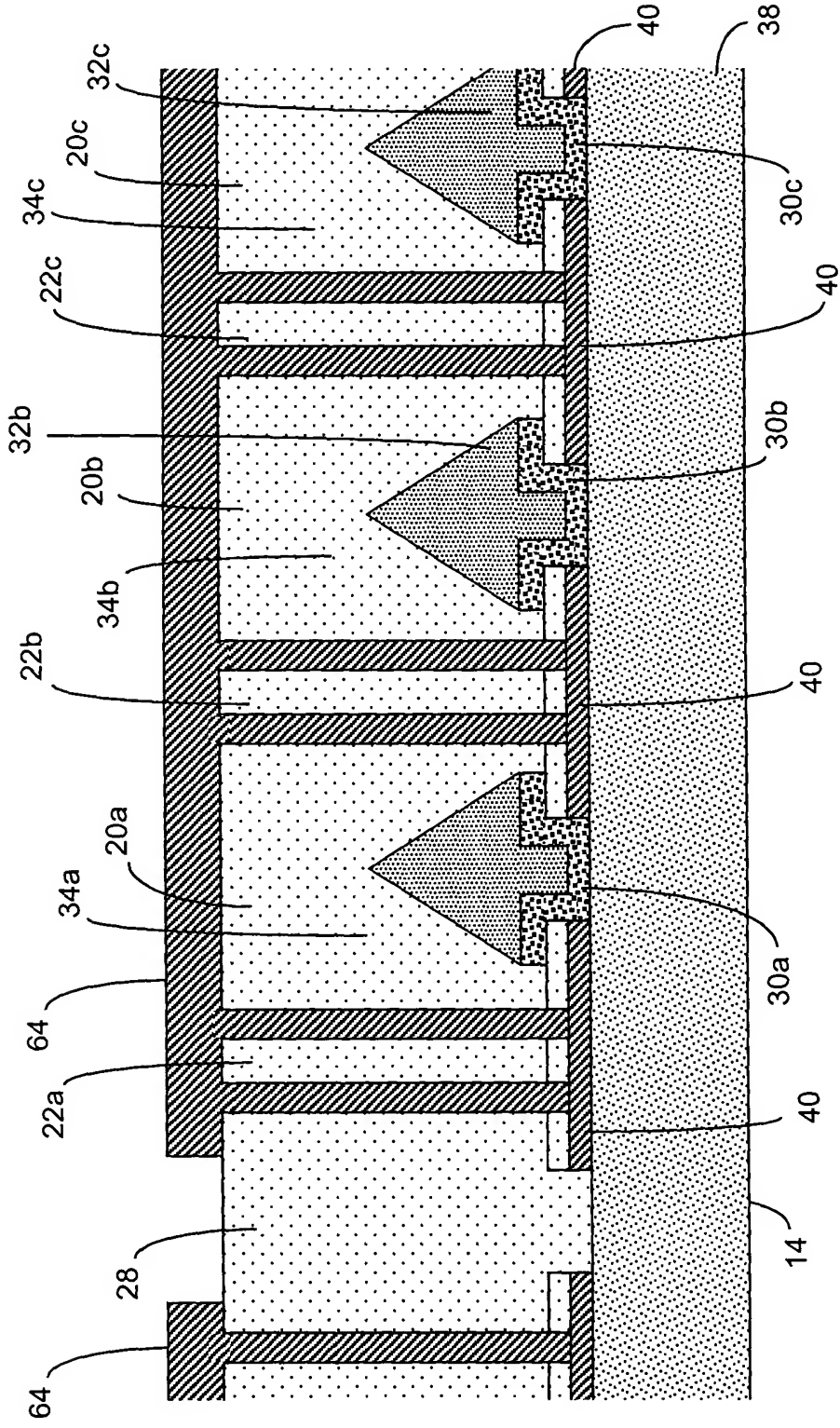FIGURE 3

FIGURE 4A

FIGURE 4B

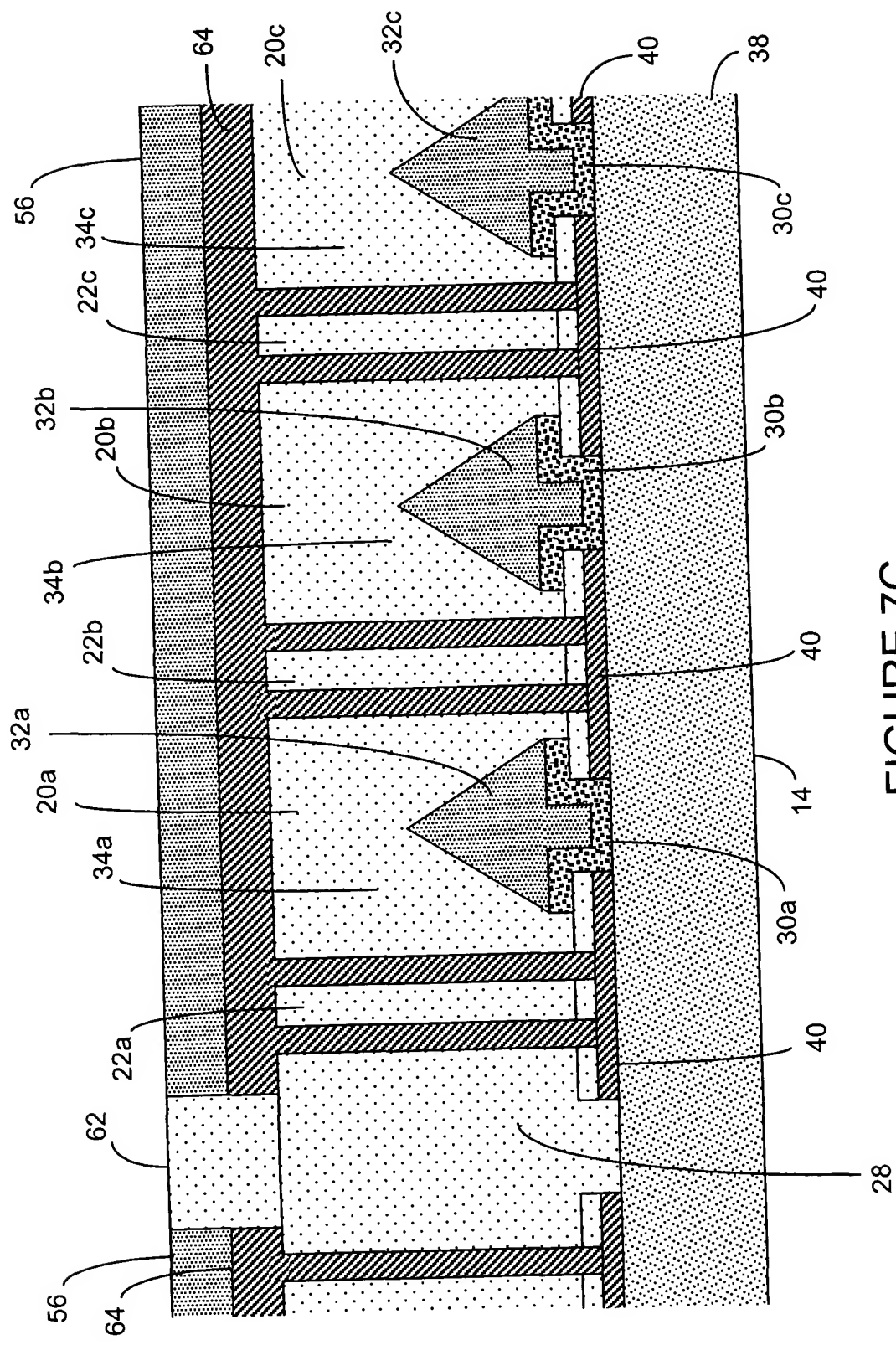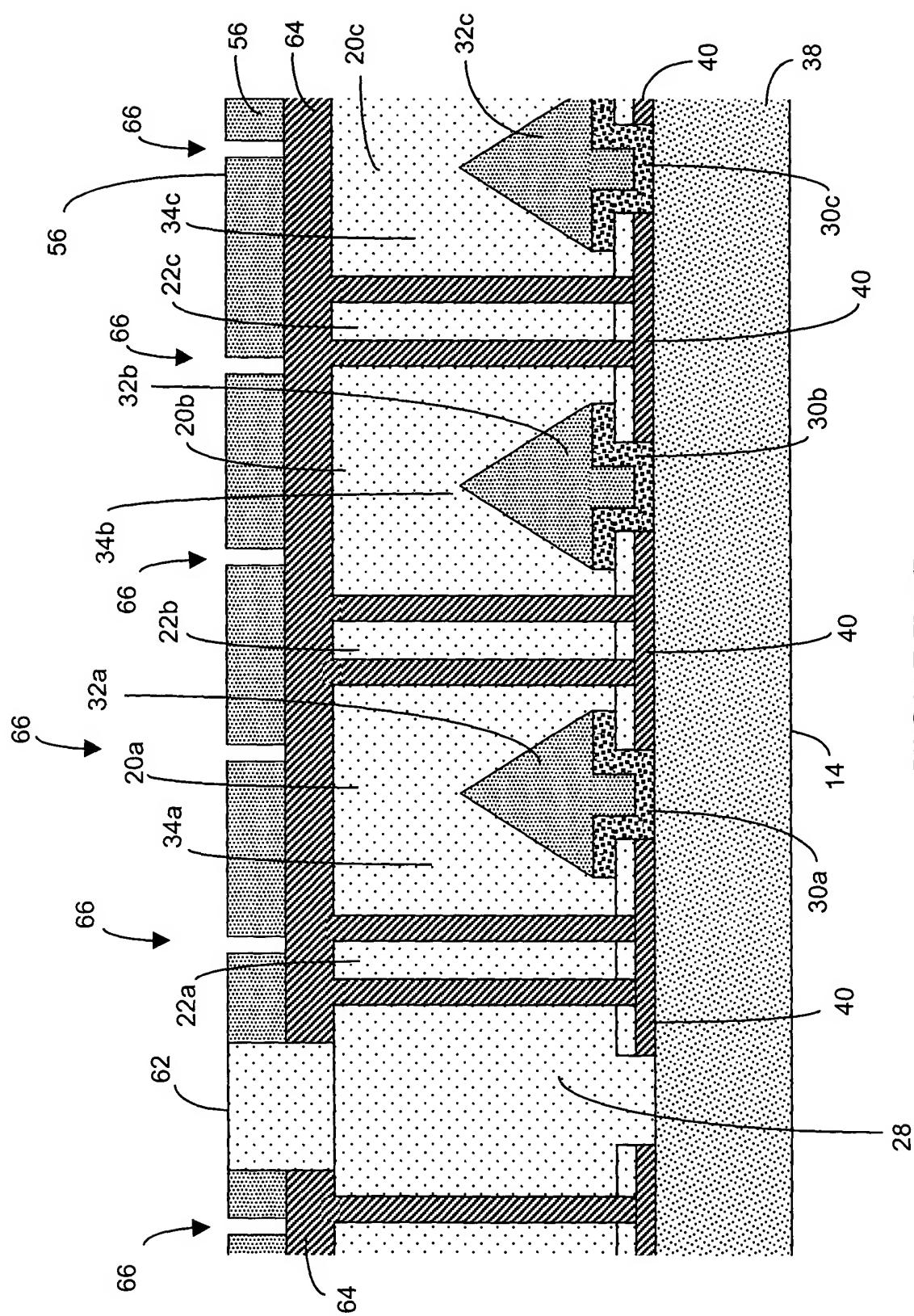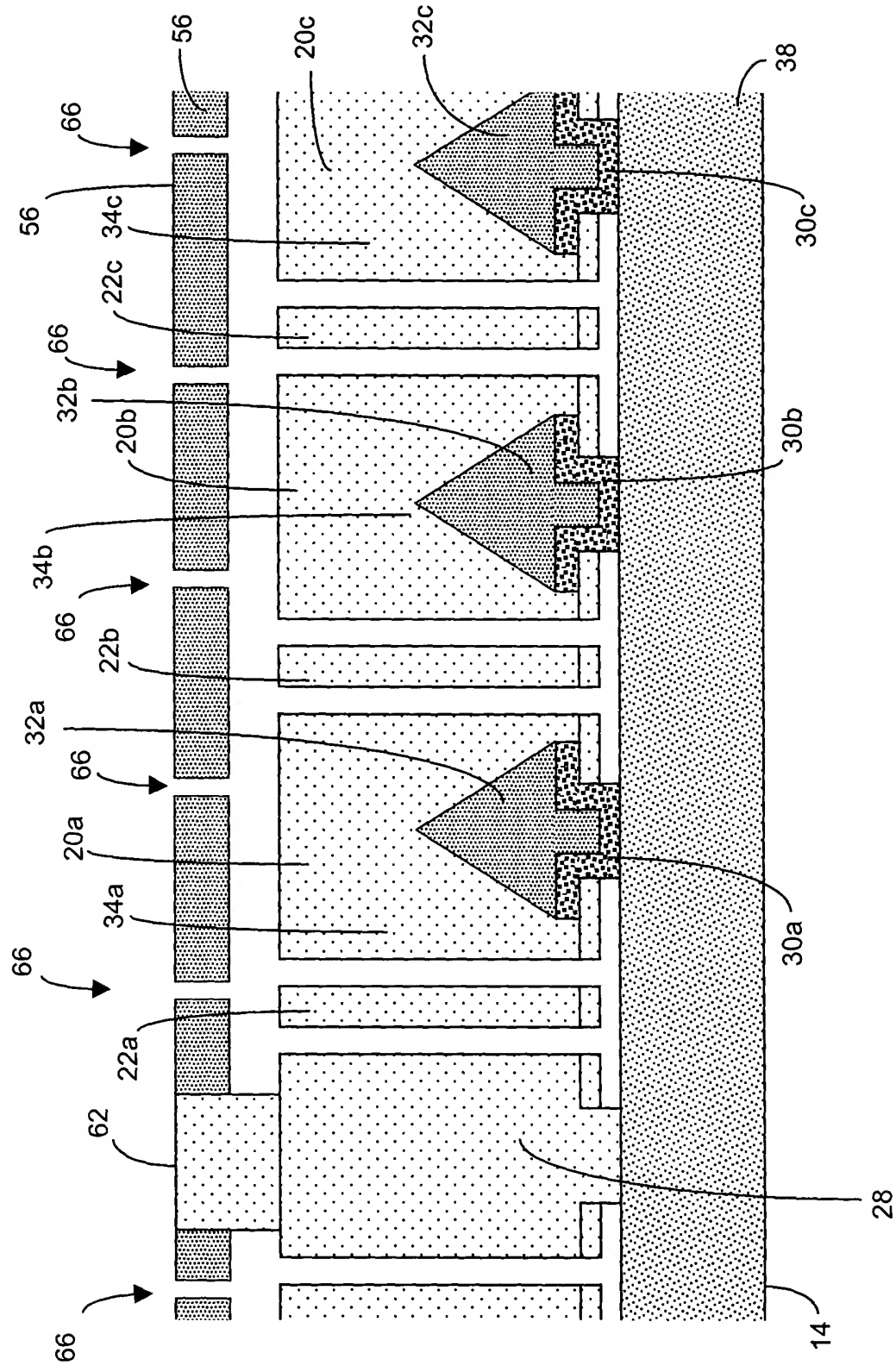FIGURE 4C

FIGURE 4D

FIGURE 4E

FIGURE 4F

FIGURE 5

FIGURE 6

FIGURE 7A

FIGURE 7B

FIGURE 7C

FIGURE 7D

FIGURE 7E

FIGURE 7F

12

58   56   56   56   56   58   60

62   58   58   58   58   58

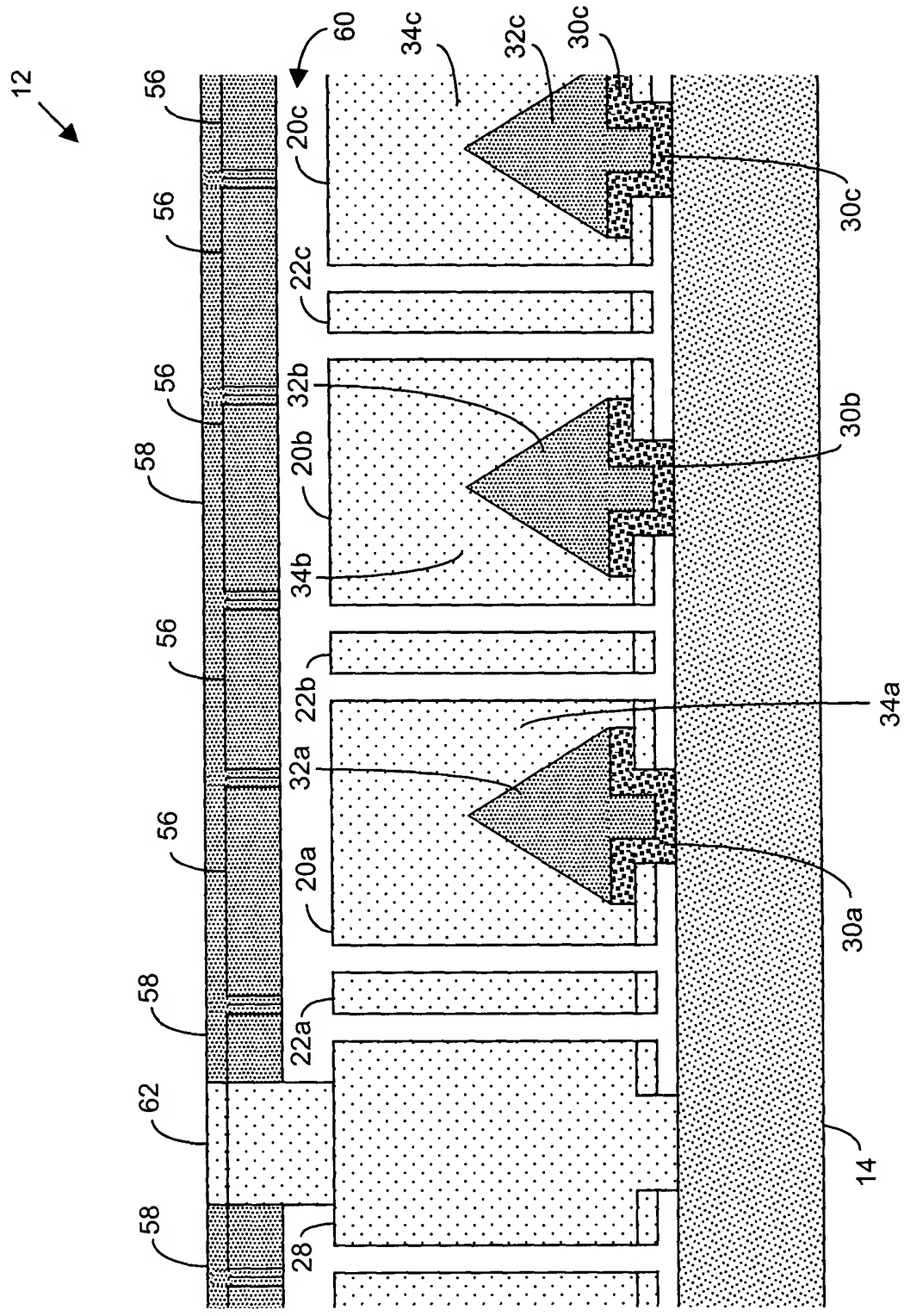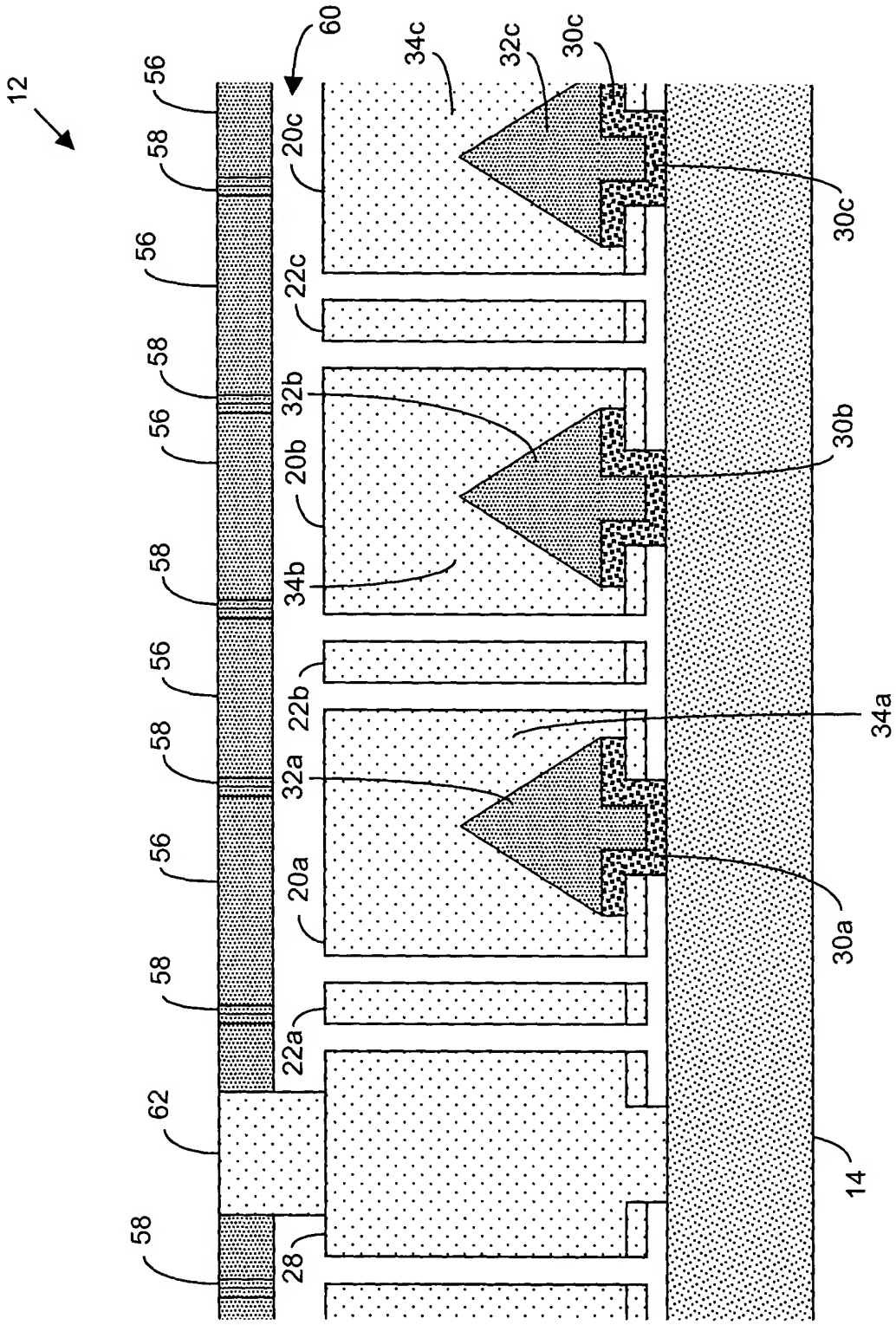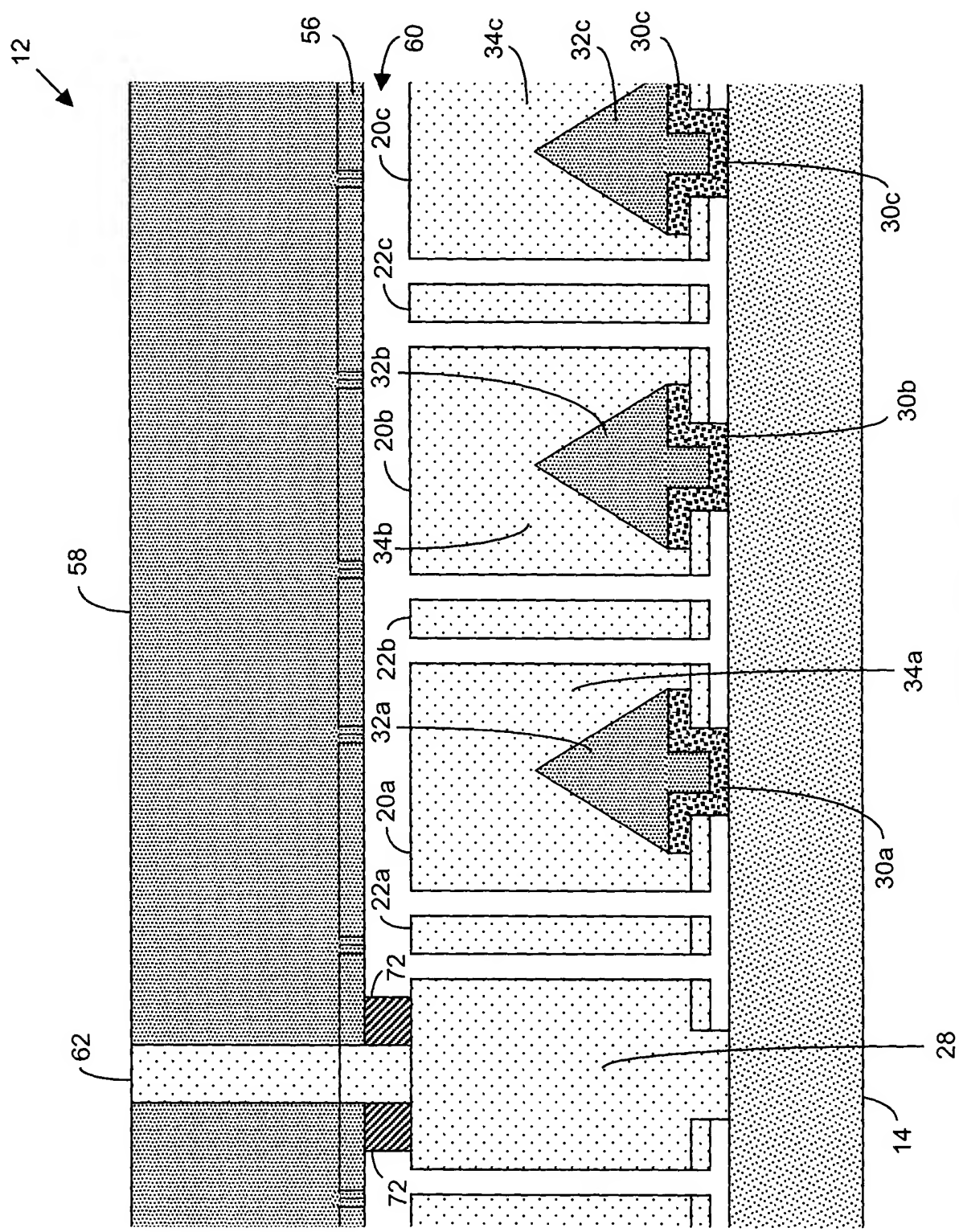28   22a   20a   32a   22b   34b   20b   22c   20c
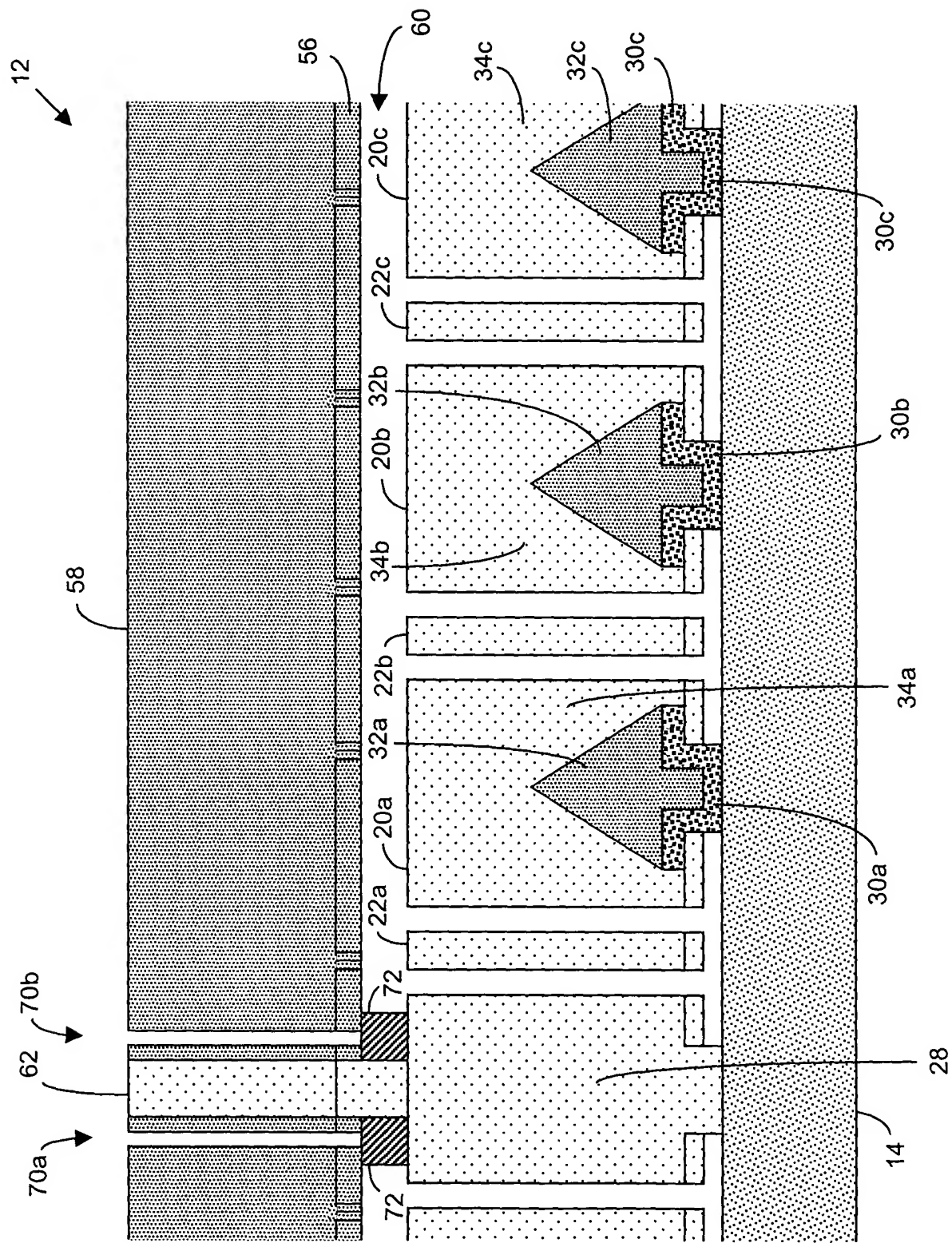
32a   20b   32b   34c

34a   32c

30a   30b   30c   30c

14
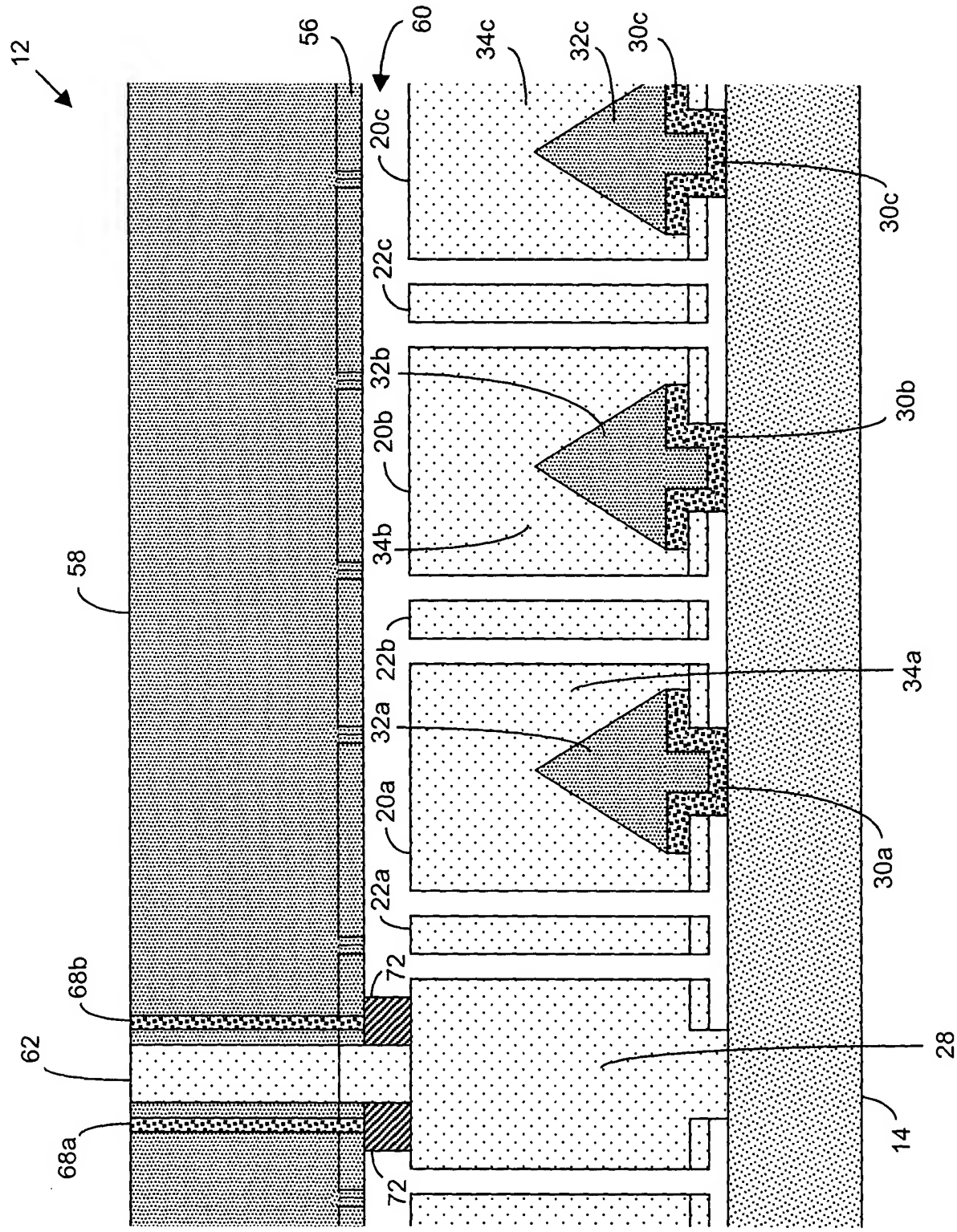
FIGURE 7G

FIGURE 8

FIGURE 9A

FIGURE 9B

FIGURE 9C

FIGURE 9D

68a

68ab

68aa

FIGURE 10B
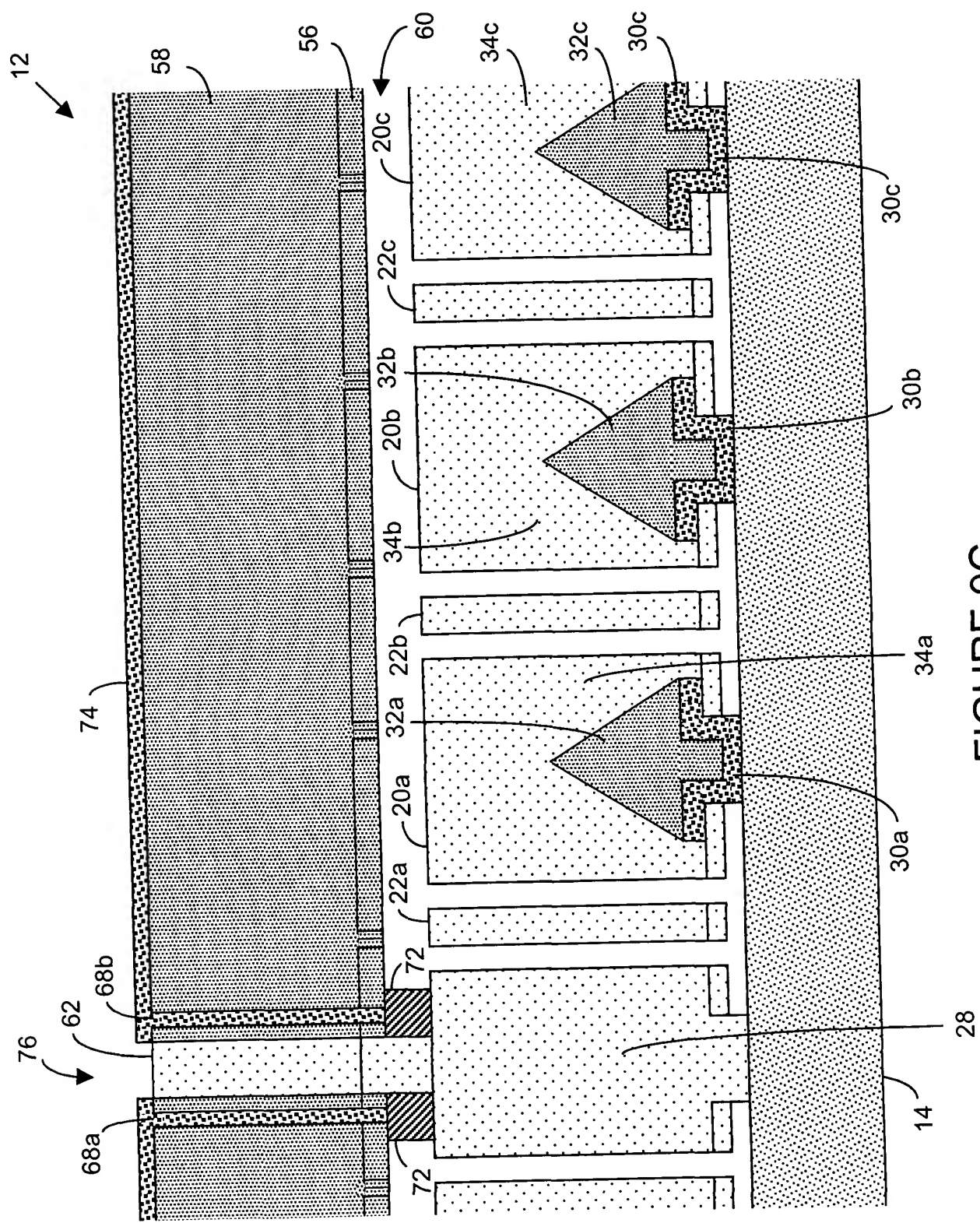
68a

68ab

68aa

FIGURE 10D

68a

68ab

68aa

FIGURE 10A

68a

68aa

68ab

FIGURE 10C

FIGURE 11A

FIGURE 11B

FIGURE 11C

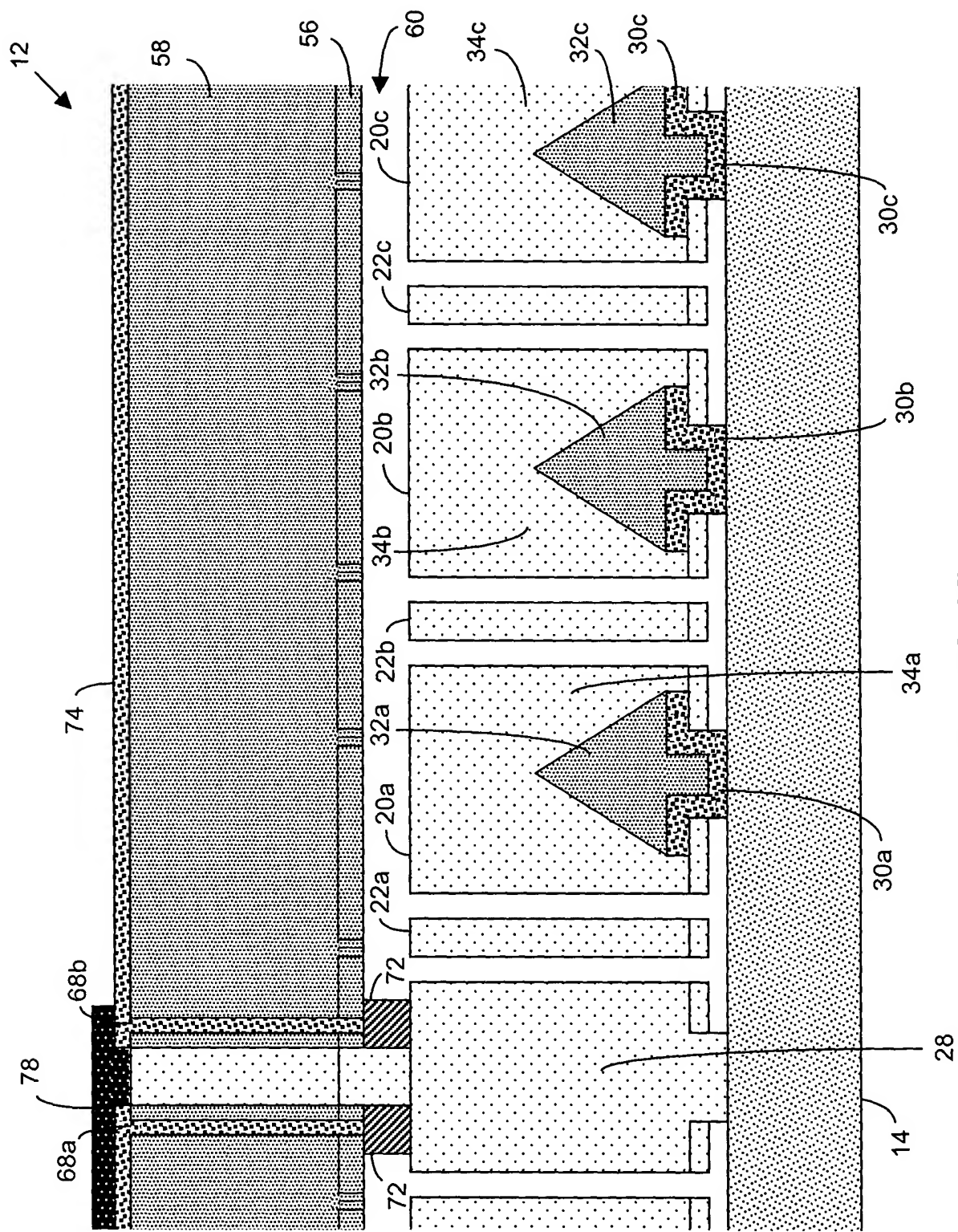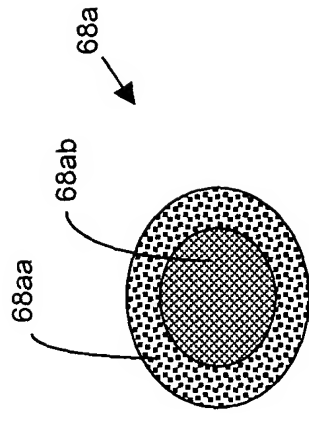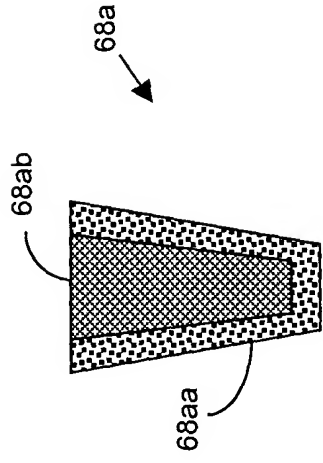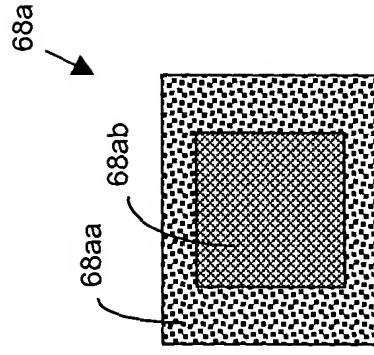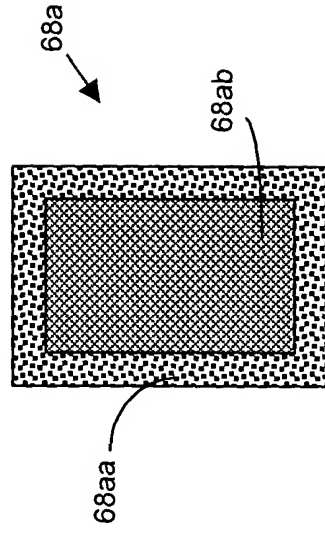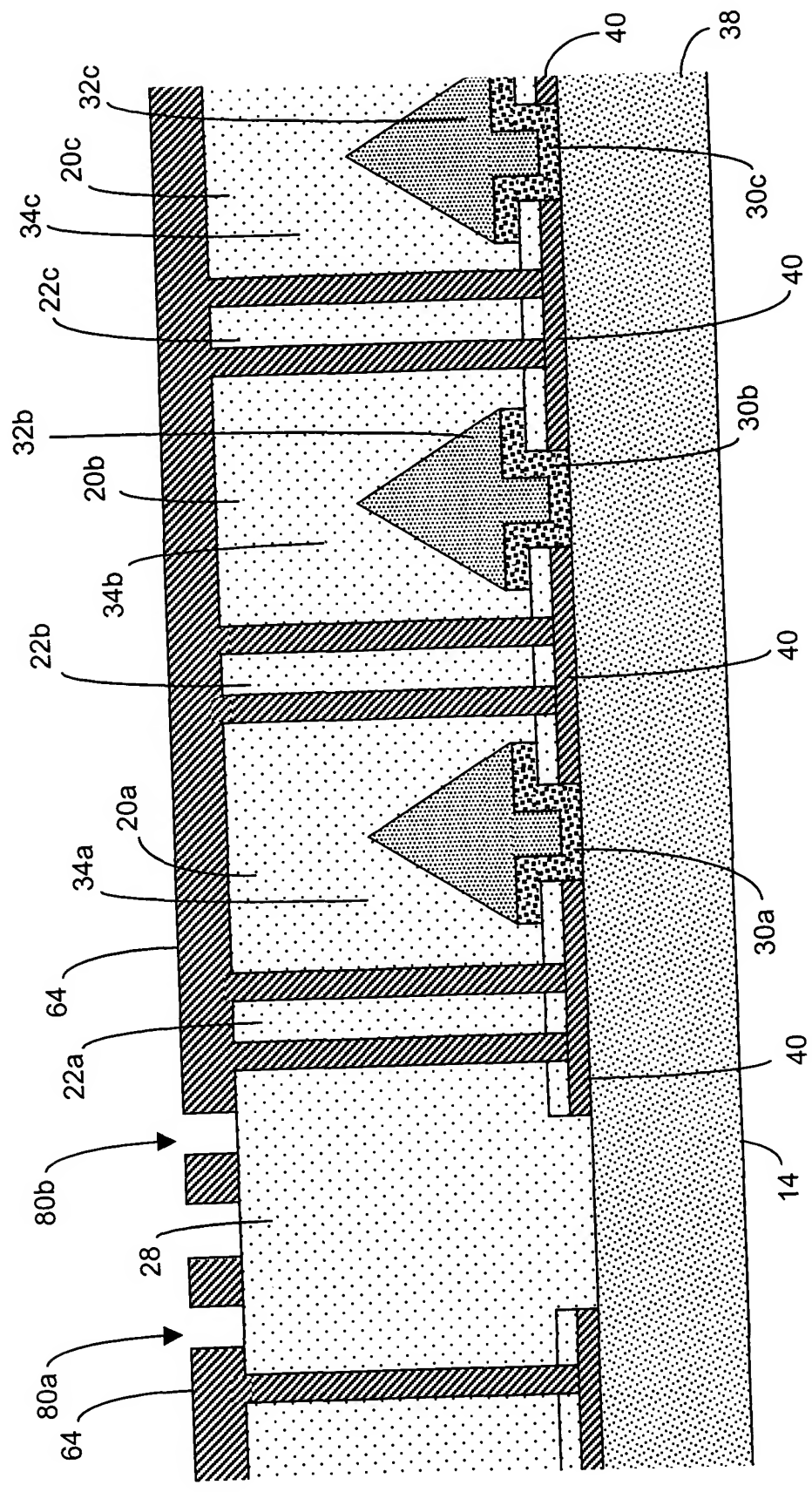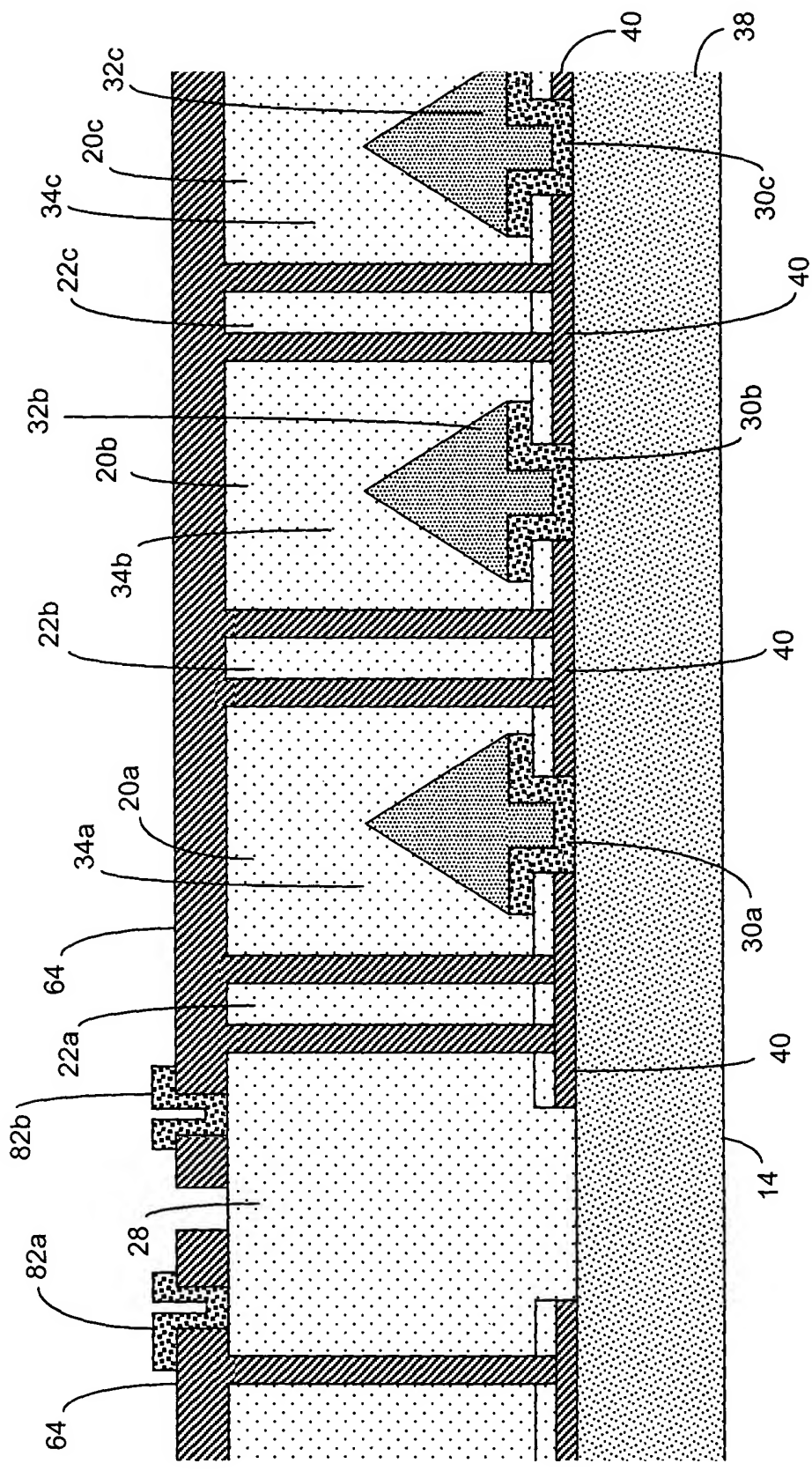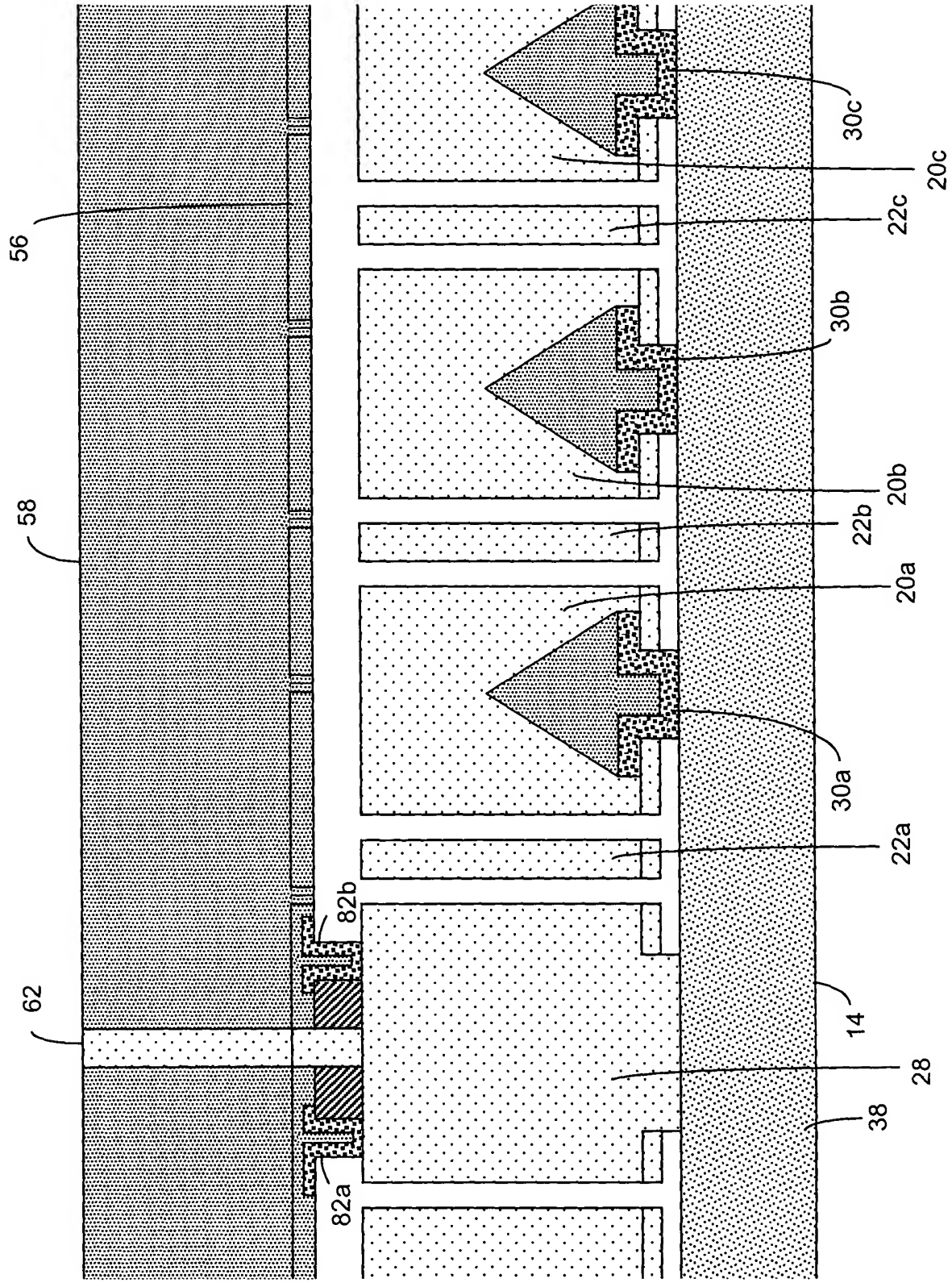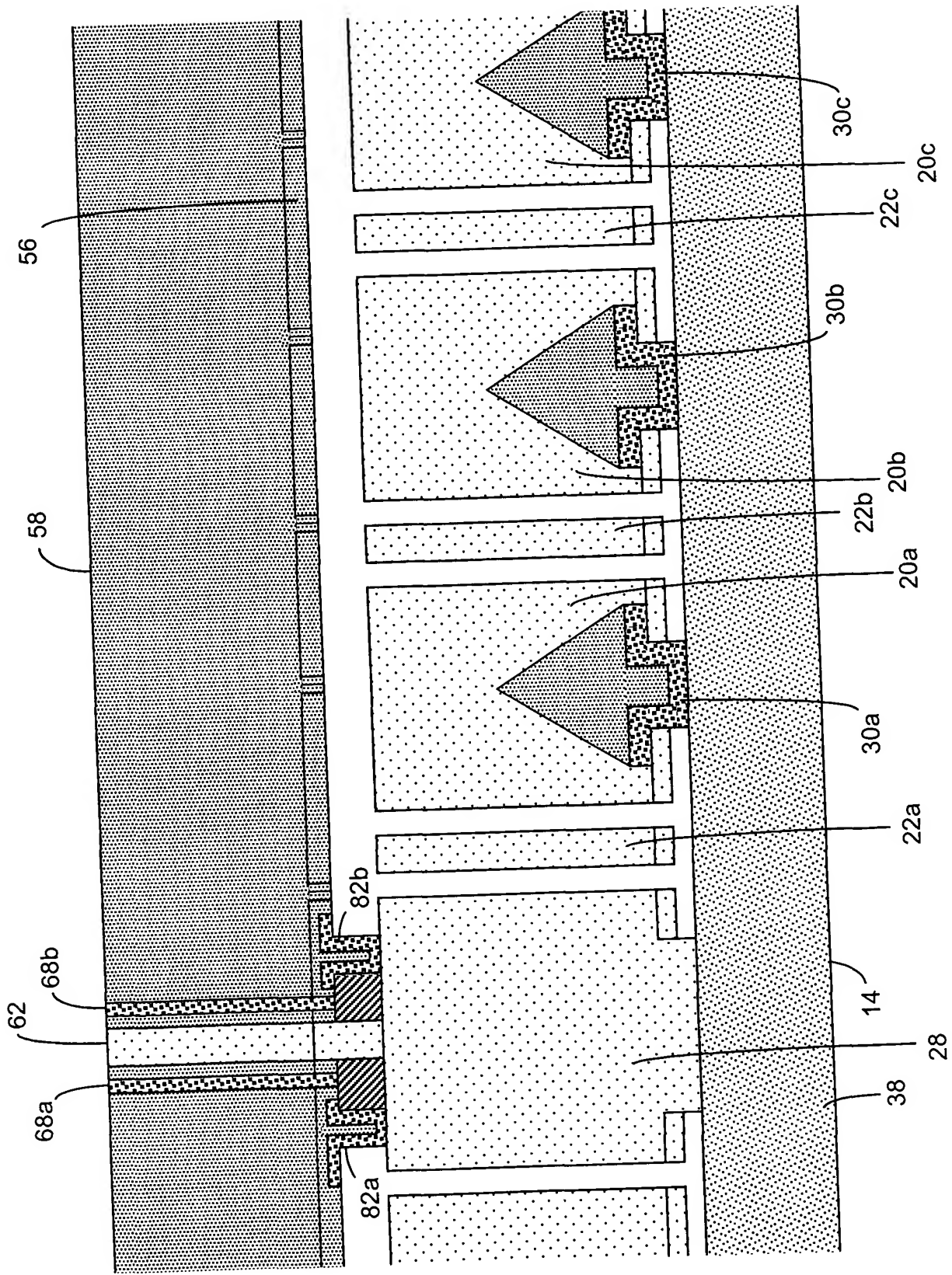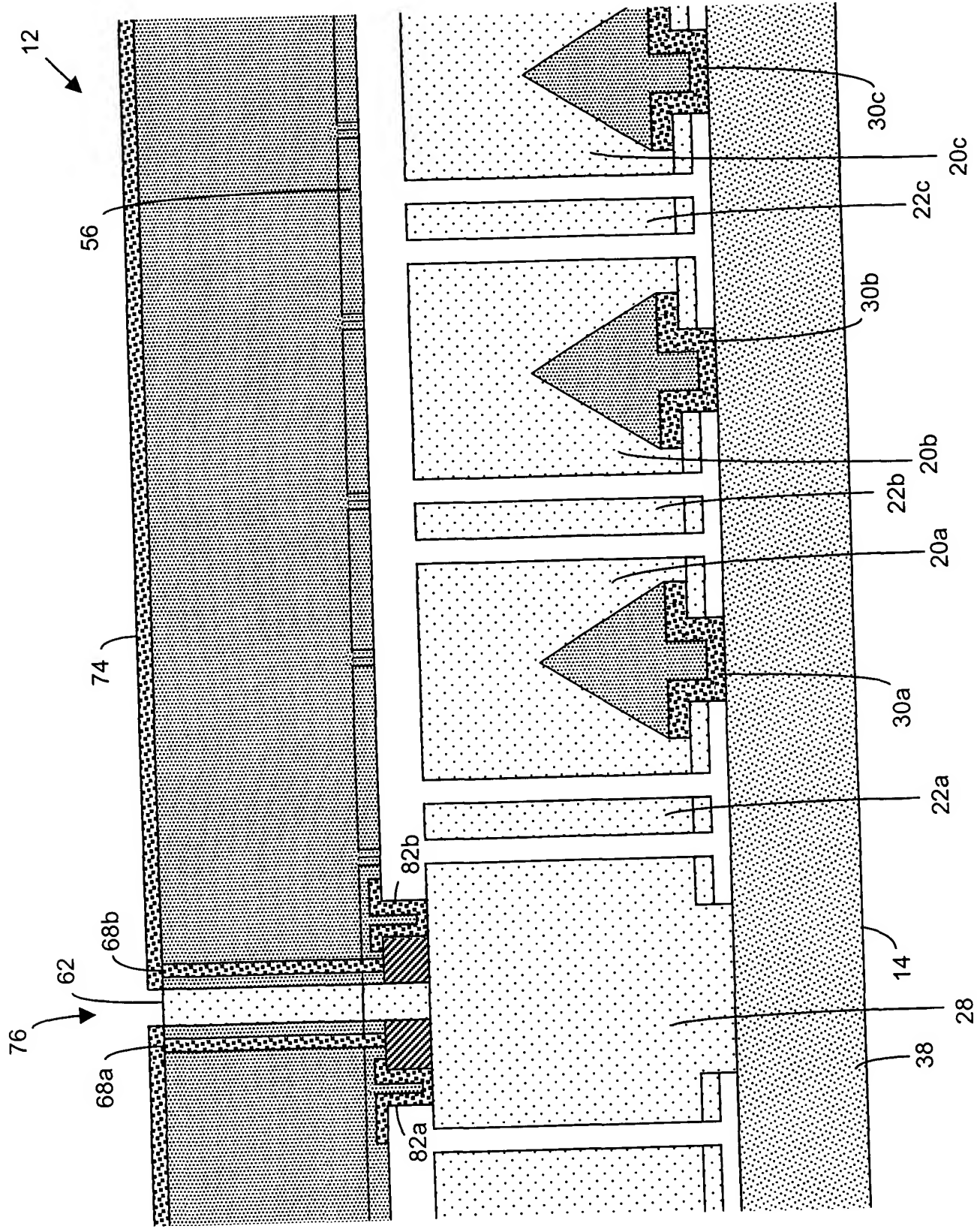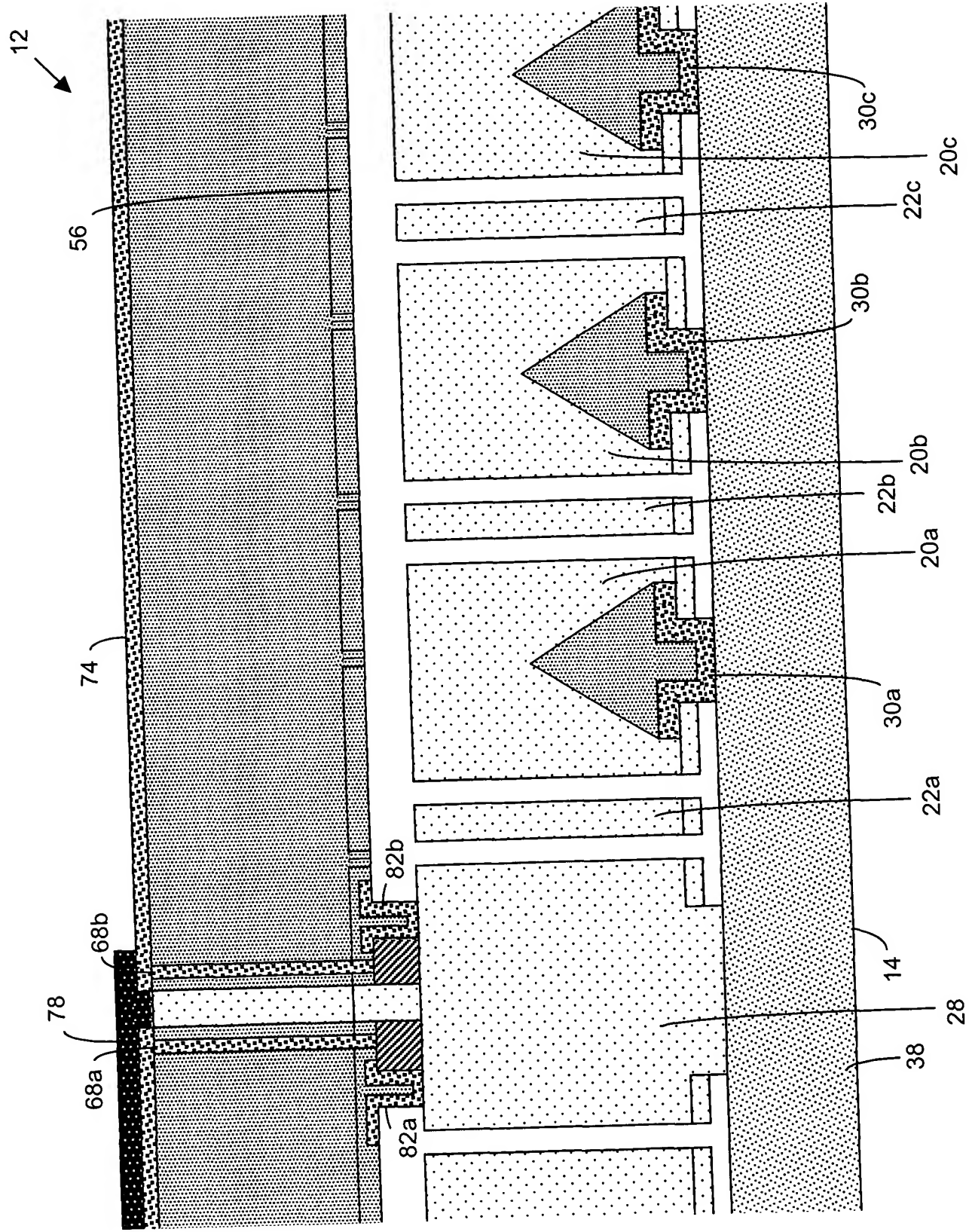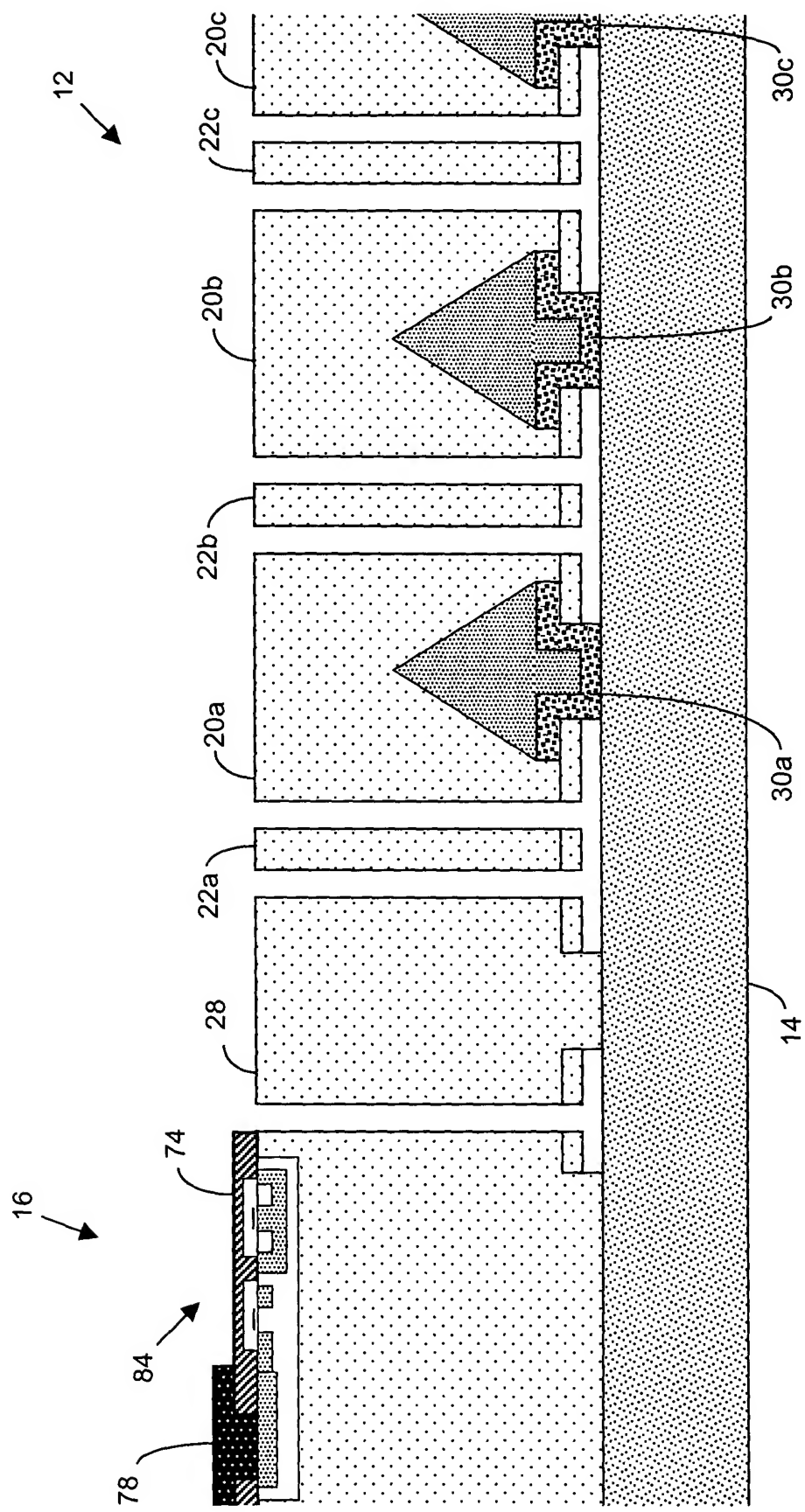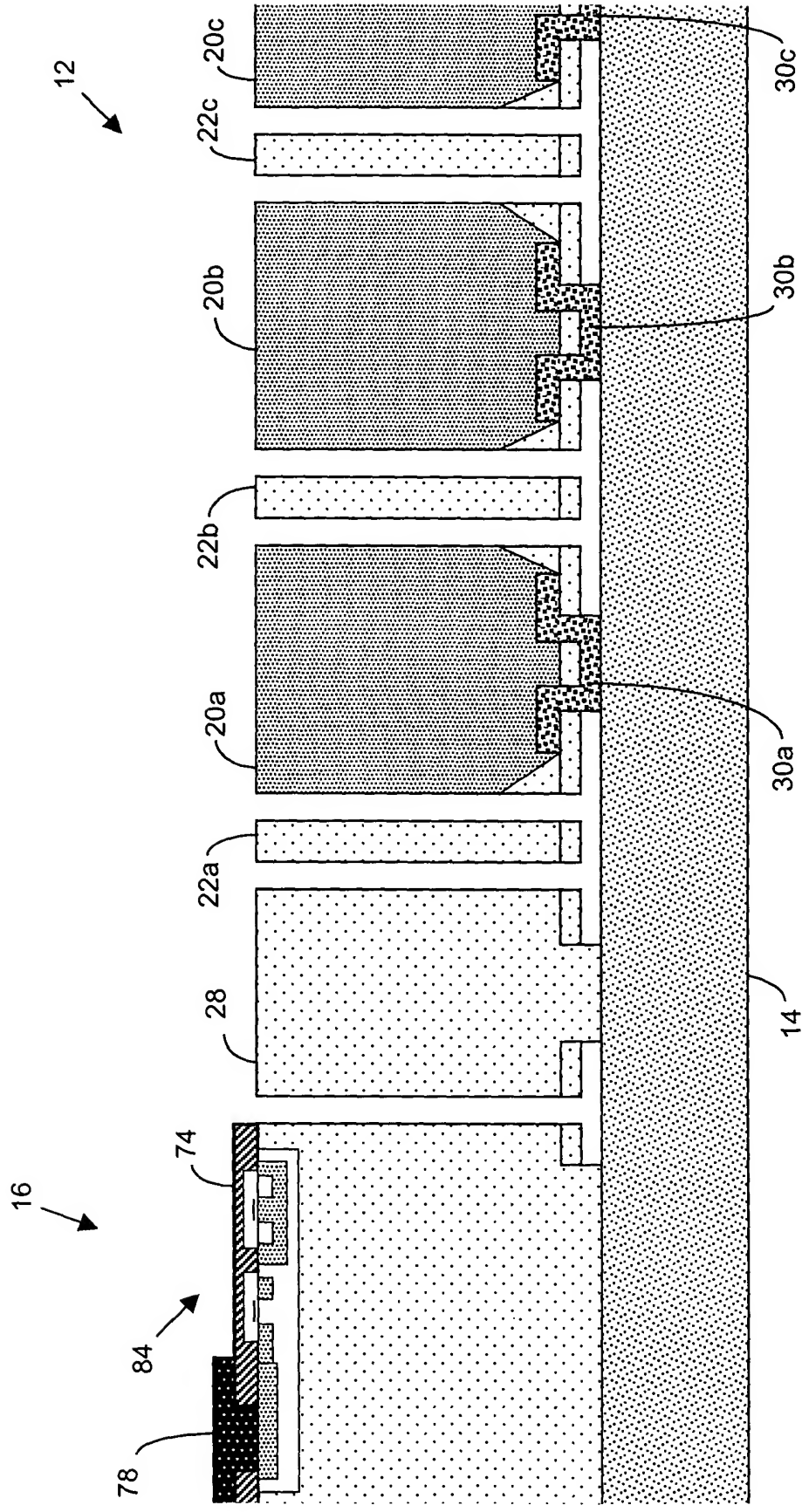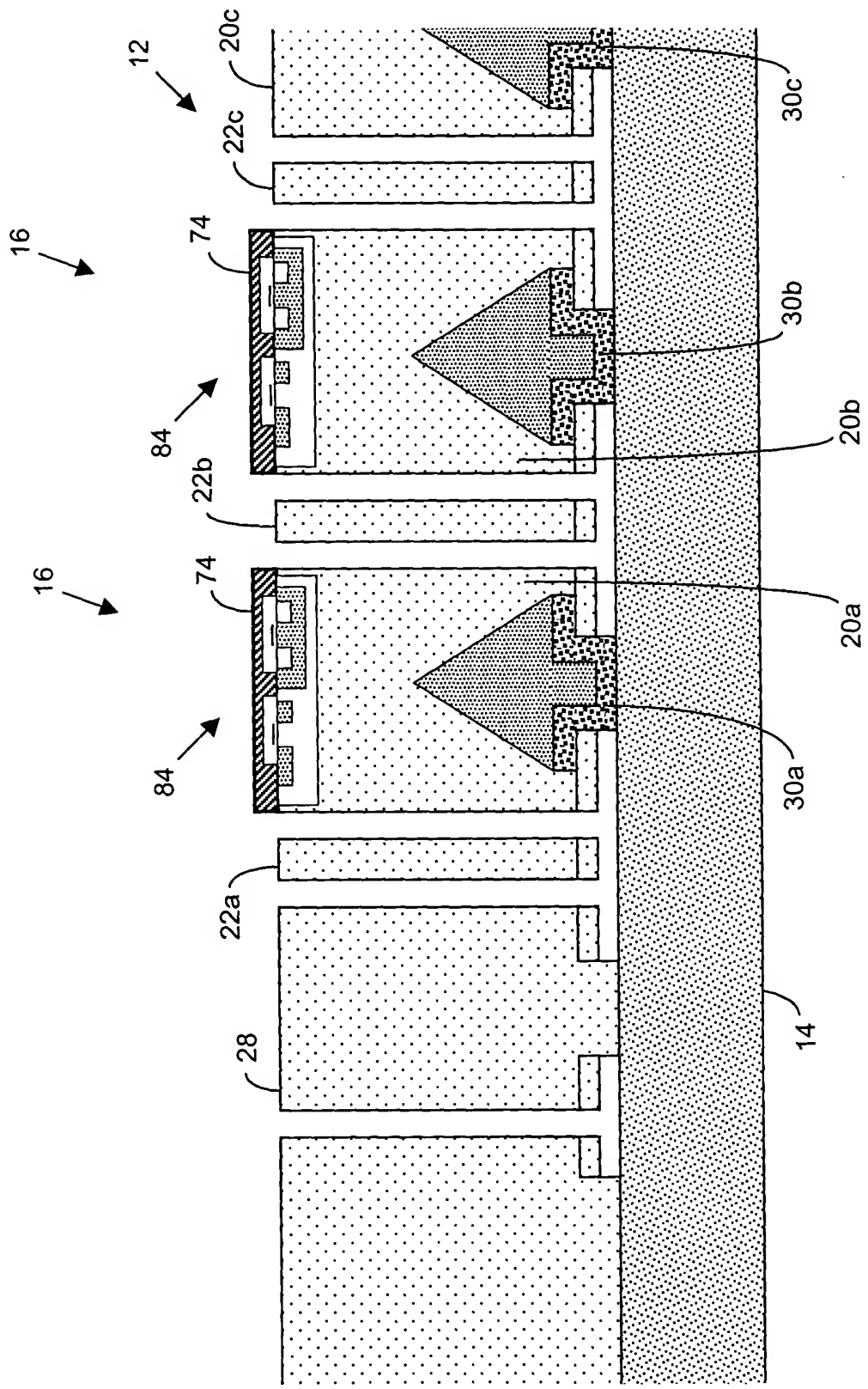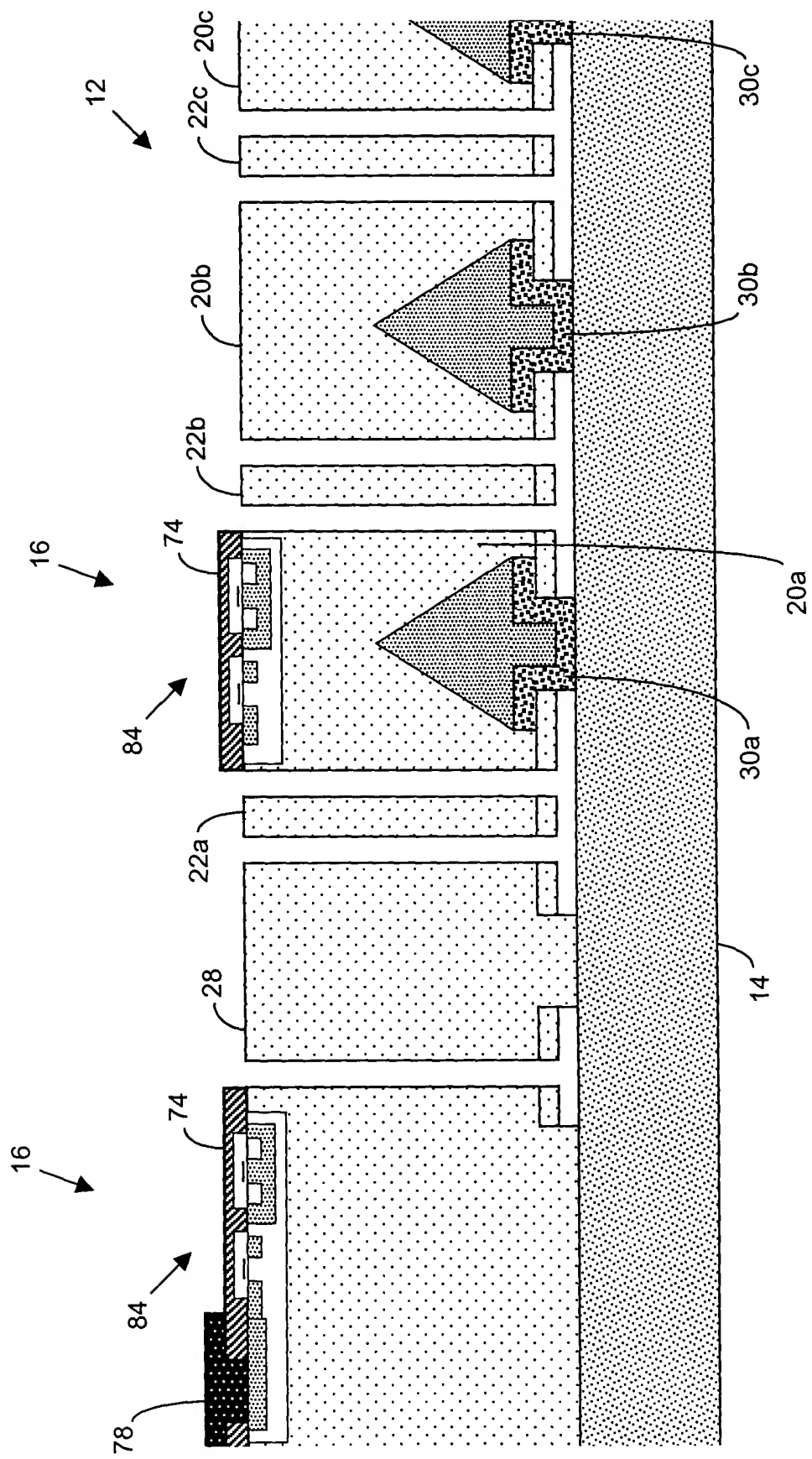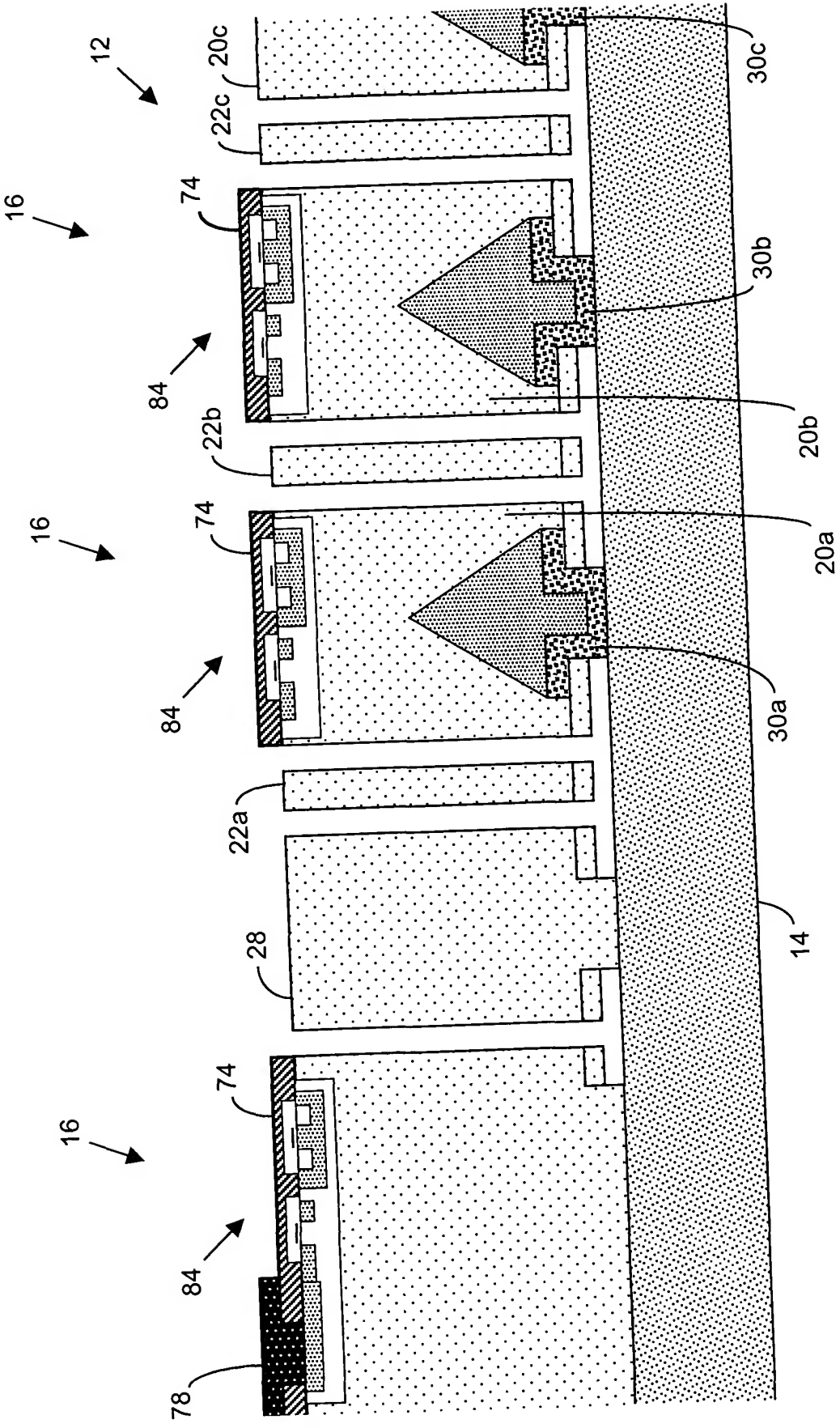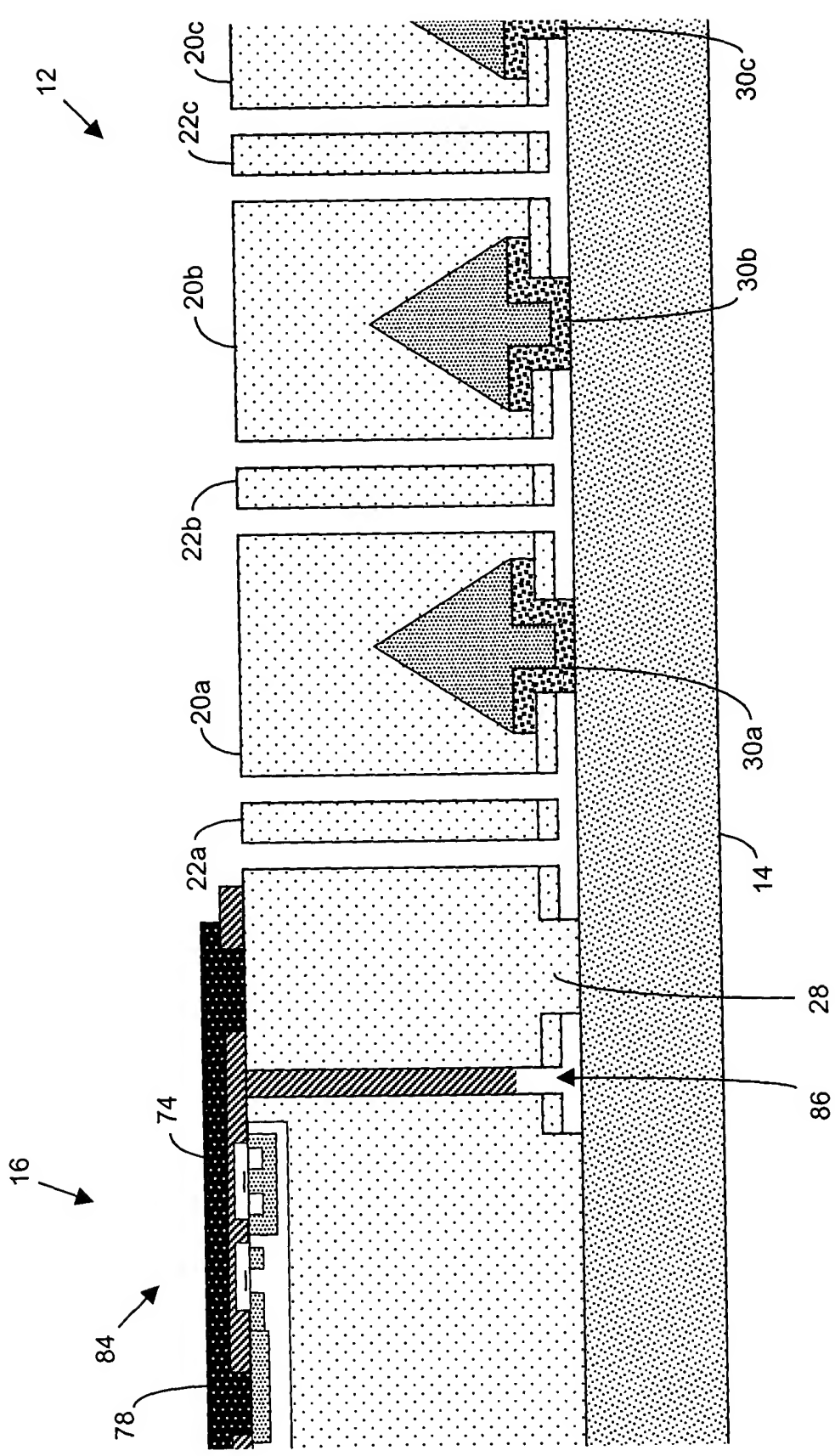FIGURE 11D

FIGURE 11E

FIGURE 11F

FIGURE 12A

FIGURE 12B

FIGURE 12C

FIGURE 12D

FIGURE 12E

FIGURE 13A

FIGURE 13B

FIGURE 14A

FIGURE 14B